

حمل الآن

مجانا وحصريا

امتحانات رقم (1)

الترم الثاني



Model Exam 1

Total mark

20



Question 1

5

(A) Put (✓) or (X) :

Objects are pushed away of each other due to gravity.

()

(B) Give reasons for :

1. Paper clips are pulled toward the magnet.

2. Occurrence of the cycle of seasons.

3. Water that forms the hydrosphere is one of the renewable resources on Earth.

4. We must conserve fresh water.

Question 2

5

(A) Correct the underlined word :

The only star in the solar system is the Earth.

(.....)

(B) What happens if ... ?

1. There is no gravity on Earth.

2. A metal ball and feather are fallen down from the same height.

3. Plants can't get carbon dioxide gas from air.

4. A trash dump is established near a tributary that is connected with a river.

Question 3

5

(A) Choose the correct answer :

1. The planets revolve around the Sun in fixed orbits.

a. oval

b. irregular

c. rectangular

d. triangular

2. Gravity depends on the of a body.

a. speed

b. mass

c. length

d. age

(B) What is meant by (Define) :

1. Force :
2. Geosphere :
3. Tributaries :

Question 4

5

(A) Complete the following sentences :

1. Solar system includes and eight revolve around it.
2. A constellation consists of a group of that forms a pattern.

(B) Mention one example for each of the following :

1. Saltwater lake in Egypt :
2. Factor affecting resource sustainability :
3. Celestial body revolves around Earth :

Model Exam 2

Total mark

20

Question 1

5

(A) Choose the correct answer :

Day and night phenomenon occurs due to the rotation of Earth around

- a. the Sun. b. its axis. c. the moon. d. the solar system.

(B) Compare between :

1. Friction and magnetism (concerning the definition)

Friction	Magnetism
.....	
.....	

2. Rotation and revolution (concerning definition - example)

P.O.C	Rotation	Revolution
a. Definition :		
b. Example :		

3. Salt water and fresh water (concerning percentage - examples)

P.O.C	Salt water	Fresh water
a. Percentage :		
b. Examples :		

4. A Wetland and an estuary (Concerning type of water - Location)

P.O.C	A wetland	An estuary
a. Type of water :		
b. Location :		

Question 2

5

(A) Put (✓) or (X) :

Gravity affects only the moving objects but doesn't affect the objects at rest. ()

(B) Give reasons for :

1. The force of gravity has an important role in the solar system.

.....

2. The Sun appears as it moves across the sky.

.....

3. We should turn off water during washing dishes.

.....

4. Our planet looks like a blue marble from the space.

.....

Question 3

5

(A) Complete the following sentences using the words below :

(air resistance - force - friction)

1. The force that slows the movement of objects across solids, liquids or gases is called

2. The force that opposes the movement of objects as they pass through air is called

(B) What happens ...? :

1. To the shadow of an object, if the Sun locates at east or west in the sky.

2. To animals that live in lakes, if lakes dry up.

3. If the quality of fresh water becomes poor.

Question 4

5

(A) Write the scientific term of each of the following :

1. It is a group of stars, planets and gases held together by gravity.

(.....)

2. The moon phase at which moon seems completely bright.

(.....)

(B) What is the importance of :

1. Water for life:

2. Plant and animal products:

3. Binoculars and telescopes:

Model Exam 3

Total mark

20

Question 1

5

(A) Correct the underlined word :

Air resistance speeds up an object as it falls.

(.....)

(B) What happens ...? :

1. To planets, if the gravity of the Sun disappears.

2. If Earth doesn't rotate on its axis.

3. To the state of water, when it is subjected to extreme cold weather.

4. If the river water meets the sea water.

Question 2

5

(A) Put (✓) or (X) :

The solar system includes the Sun and Earth only.

()

(B) Mention :

1. The factors affecting the gravitational force.

a.

b.

2. Two examples (types) of biomes.

a.

b.

3. Two sources of salt water.

a.

b.

4. Two phases of the moon.

a.

b.

Question 3

5

(A) Read the following statements, then classify them according to the effect of gravity on them in the table below :

1. A pencil rolling on a table.
2. A ball thrown up into the air.
3. A car moves along a straight road.
4. A paper airplane is thrown through the air.

Gravity will cause a change in direction	Gravity will not cause a change in direction
.....	
.....	
.....	

(B) Give reasons for :

1. Starfish cannot live in ponds.

2. Factories built near tributaries may cause water pollution.

3. You always land on the ground when you jump up.

Question 4

5

(A) Complete the following sentences :

1. The orbiting of Earth around the Sun is called, while the spinning of Earth on its axis is called
2. Stars seem bright because they are made up of

(B) What is meant by (Define) :

1. Biosphere :

2. Preservation :

3. Earth's axis :

Model Exam 4

Total mark

20

Question 1

5

(A) Put (✓) or (X) :

If two objects don't touch each other, there is no gravity between them. ()

(B) What happens ...?

1. If the mass of the moon becomes twice its real mass.

2. If the skydiver opens his parachute during landing.

3. To green plants in abyssal zones of oceans.

4. To water of small ponds during summer.

Question 2

5

(A) Complete the following sentence :

Location of in the sky during the year, helps us to determine on Earth.

(B) Give reasons for :

1. The gravity between two objects is affected by the distance between them.
.....
2. All objects have gravity.
.....
3. Most of fresh water on Earth can't be used for drinking.
.....
4. Scientists tend to preserve freshwater sources on Earth.
.....

Question 3

5

(A) Write the scientific term of each of the following :

1. The force by which metals are attracted or pulled to a magnet.
(.....)
2. A phenomenon takes place in oceans and seas due to gravity of moon.
(.....)

(B) What is meant by :

1. Biome :
.....
2. Watershed :
.....
3. Air resistance :
.....

Question 4

5

(A) Choose the correct answer :

1. When half of Earth faces the Sun, so it has and the other half has
a. day - day. b. night - day. c. day - night. d. night - night.
2. Jupiter is a and it has of rotation on its axis.
a. moon - highest speed b. planet - lowest speed
c. star - lowest speed d. planet - highest speed

(B) Mention one example for each of the following :

1. Freshwater lake in Egypt :
.....
2. Way of conservation of water :
.....
3. Constellation :
.....

Model Exam 5

Total mark

20



Question 1

5

(A) Write the scientific term of each of the following :

The tool that is used by skydiver to slow his drop.

(.....)

(B) Give reasons for :

1. Water can affect nonliving things like rocks.

.....

2. Wastewater engineers test the treated water.

.....

3. Gravity of the Earth is greater than gravity of the moon.

.....

4. Half of Earth appears dark at night.

.....

Question 2

5

(A) Choose the correct answer :

The Earth rotates on its axis.

a. clockwise

b. counterclockwise

c. from north to south

d. from south to north

(B) What happens ...?

1. To water, if it is collected in a low-lying area.

.....

2. To clear water, if it mixed with small amount of mud.

.....

3. If the gravity of Earth is a repulsion force not an attraction force.

.....

4. To half of Earth, when it faces the Sun.

.....

Question 3

5

(A) Put (✓) or (X) :

1. Force is the reason of motion of any body. ()
2. The gravity of the Sun causes the revolution of the Earth around the moon. ()

(B) Compare between :

1. Ponds and streams (according to water movement).
.....
2. Salmon and salamanders (according to water body they live in).
.....
3. Earth's rotation and Earth's revolution (according to the duration to complete one cycle).
.....

Question 4

5

(A) Put (✓) or (X) :

1. In the early morning, the Sun would be above you in the center of the sky. ()
2. Earth revolves around the Sun in a fixed path. ()

(B) Correct the underlined word :

1. Aquatic ecosystem can be classified into Savannah ecosystem and saltwater ecosystem. (.....)
2. The amount of saltwater on the Earth is smaller than the amount of freshwater. (.....)
3. The phenomenon of four seasons occurs due to rotation of Earth on its axis. (.....)

Model Exam 1

- 1 (A) (x)
- (B) 1. Due to the force of magnetism.
2. Due to the revolution of Earth around the Sun.
3. Because water can be replaced in nature through water cycle.
4. Because there is a limited amount of fresh water on Earth.

- 2 (A) Sun.
- (B) 1. All objects on its surface will float off into space.
2. The metal ball will reach the ground first.
3. They will not be able to make their food by photosynthesis process.
4. The litter of the trash dump will be blown into the water of tributary then into the river causing water pollution.

- 3 (A) 1. a 2. b
- (B) 1. It is a pull or a push that is applied to an object.
2. It is the system that includes rocks, soil, sand, etc.
3. They are small water bodies such as small creeks or streams that flow into bigger rivers.

- 4 (A) 1. Sun – planets
2. stars
- (B) 1. Lake Bardawil.
2. Overpopulation or pollution.
3. The moon.

Model Exam 2

- 1 (A) b
- (B) 1. Friction and magnetism

Friction	Magnetism
It is a force that opposes the motion of a body across a solid surface or through a gas or a liquid.	It is the force of attraction or repulsion between two magnets or between a magnet and an object.

2. Rotation and revolution

P . O . C	Rotation	Revolution
a. Definition:	It is the spinning of an object around an axis.	It is the orbiting of an object around another object.
b. Example:	Earth rotates on its axis.	Earth revolves around the Sun in an orbit.

3. Salt water and fresh water

P . O . C	Salt water	Fresh water
a. Percentage:	- It forms about 96.5 % of water on Earth.	- It forms about 3.5 % of water on Earth.
b. Examples:	- It is found in oceans, seas, gulfs (bays) and some lakes.	- It is found in rivers, rainwater, groundwater and most of lakes.

4. A wetland and an estuary

P . O . C	A wetland	An estuary
a. Type of water	Fresh water.	Salt water mixes with fresh water.
b. Location	Land partially covered with water.	Where a river meets a sea or an ocean

2 (A) (x)

- (B) 1. Because gravity between the Sun and objects in the solar system keeps the planets revolve in fixed orbits.
2. Due to the rotation of Earth on its axis.
3. To conserve fresh water.
4. Because about 71% of Earth is covered by water.

3 (A) 1. friction. 2. air resistance.

- (B) 1. The shadow of the object will be the longest.
2. They have to adapt to the changes that happen, or they will die.
3. It leads to death of living organisms and extinction of some species live in fresh water.

4 (A) 1. Galaxy. 2. Full moon.

- (B) 1. a. Humans and animals drink water to survive.
- b. Plants need water to grow.
- c. Some animals and plants live in water.
2. Clothes are made from plant such as cotton and animal products such as wool of sheeps.
3. They are used to see distant celestial objects in more details.

Model Exam 3

1 (A) slows

- (B) 1. They will leave their orbits and float off into space.
2. Phenomenon of day and night will not happen.
3. It will be changed into solid state (ice).
4. An estuary is formed.

2 (A) (x)

- (B) 1. a. The mass of objects.
- b. The distance between them.
2. a. Deserts. b. Oceans.
3. a. Oceans. b. Seas.
4. a. Full moon.
- b. New moon

3 (A)

Gravity will cause a change in direction	Gravity will not cause a change in direction
2. A ball thrown up into the air.	1. A pencil rolling on a table.
4. A paper airplane is thrown through the air.	3. A car moves along a straight road.

- (B) 1. Because starfish can survive only in salt water, while the type of water in ponds is fresh water.
2. Due to factories waste that causes water pollution.
3. Because Earth pulls you by the effect of gravity.

4 (A) 1. revolution – rotation.

2. hot gases.

- (B) 1. It is the system that includes all living organisms such as humans, plants, animals, ... etc.
2. It means restricting access (control reaching) of humans to the natural resources or using them.
3. It is an imaginary line passing through the North pole and South pole of Earth.

Model Exam 4

1 (A) (x)

- (B) 1. The gravitational force between Earth and the moon increases, so the moon comes closer to Earth and it might crash into Earth.
2. The speed of skydiver decreases gradually due to the air resistance.
3. Green plants cannot survive, as they don't receive sunlight which is important for making food in this plants.
4. Water of small ponds evaporates, as the temperature increases in summer.

2 (A) constellations – the main directions

- (B) 1. Because when the distance between them decreases, the gravity increases and vice versa.
2. Because all objects have mass.
3. Because most of freshwater on Earth are in the form of frozen water.
4. Because the amount of freshwater is limited on Earth.

3 (A) 1. Magnetism. 2. Tide.

- (B) 1. It is a large area of the world that has similar soil, climate, plants and animals.
2. It is an area of land where water from different sources flows in one direction towards a common location such as a bay or an ocean.
3. It is a force that opposes the movement of an object as it passes through air.

4 (A) 1. c 2. d

- (B) 1. Lake Nasser.
2. Turning off water tap during brushing teeth.
3. Constellation Orion.

Model Exam 5

1 (A) Parachute.

- (B) 1. Because water can cause weathering and erosion of rocks.
2. To make sure it is safe before it released to rivers and lakes or used by human.
3. Because the mass of Earth is greater than the mass of the moon.
4. Because it doesn't receive sunlight.

2 (A) b

- (B) 1. A lake is formed.
2. It will become dirty water.
3. All objects on Earth will move upward away from the Earth's surface.
4. This half will have day.

3 (A) 1. (✓) 2. (x)

- (B) 1. Ponds: still water.
Streams: running water.
2. Salmon: live in streams.
Salamanders: live in ponds.
3. Earth's rotation: one day.
Earth's revolution: one year.

4 (A) 1. (x) 2. (✓)

- (B) 1. freshwater
2. larger than
3. day and night

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجانا وحصريا

امتحانات رقم (2)

الترم الثاني



1

Cairo Governorate

Heliopolis Educational Zone

1 (A) Complete the following :

Magnetic force attracts metals which are made of iron, and.....

(B) Give reasons for :

1. Although the Earth rotates on its axis, we do not feel its movement.

.....

2. The gravity between objects is affected by the distance between them.

.....

(C) What is the function of ...?

1. Telescopes.

.....

2. Water filters.

.....

2 (A) Choose the correct answer :

1. The desert and forests in the world are examples of

a. universe.

b. biomes.

c. constellation.

2. The phase of the moon at the end of the lunar month is, where the moon is completely dark.

a. gibbous

b. first quarter

c. new moon

(B) What happens when ...?

1. People do not conserve fresh water.

.....

2. There is no gravity between the Earth and the moon.

.....

(C) What is meant by ...?

Revolution :

3 (A) Put (✓) or (X) :

1. The deep areas of the oceans that the sunlight cannot reach them are called shallow zones. ()

2. The friction force increases the movement of the objects. ()

(B) Write the scientific term :

1. The fastest planet during its rotation on its axis. (.....)

2. The wide space that contains celestial bodies as stars, galaxies, comets and satellites. (.....)

(C) Compare between :

Point of comparison	Biosphere	Geosphere
The system contains :		

4 (A) Correct the underlined words :

1. The fresh water on the Earth surface is about 71%. (.....)
2. Large water body where water flows toward a common location is called lake. (.....)

(B) What is the result of ...?

1. Passing dirty water through a filter.
.....

2. Rotation of the Earth on its axis in front of the Sun.
.....

(C) Explain the following :

1. The moon stays in a fixed orbit around the Earth.
.....

2. How does the Sun produce its heat and light ?
.....

2**Cairo Governorate****New Cairo Educational Zone****1 (A) Complete the following sentences from the words between brackets :****(electric – magnetic)**

The magnet pulls metal paper clips by force.

(B) Write the scientific term :

1. Change of water from liquid state into gaseous state. (.....)
2. A water body that is surrounded by land. (.....)
3. An elliptical path in which the planet revolves around the Sun. (.....)
4. The force that causes objects to fall down. (.....)

2 (A) Cross out the odd word :

Crescent – Full moon – New moon – Galaxy. (.....)

(B) Answer the following sentences using one word :

1. It is used to study celestial bodies. (.....)
2. An example for constellation in the sky. (.....)
3. The sphere that contains plants. (.....)
4. The percentage of fresh water in the water bodies on the Earth's surface. (.....)

3 (A) Put (✓) or (X) :

1. Jupiter is the fastest planet that rotates on its axis in the solar system. ()
2. Earth rotates counterclockwise from east to west. ()

(B) What is meant by ...?

1. Biome.

.....

2. Sustainability.

.....

3. Galaxy.

.....

4 (A) Choose the correct answer :

1. The gravity of affects the movement of ocean tides.
a. Earth b. Sun c. moon d. Jupiter
2. The stars are celestial bodies.
a. dim b. cold c. dark d. bright

(B) Give reasons for :

1. Very small aquatic plants and animals can live in Lake Assal in Djibouti.

.....

2. Wastewater engineers test the treated water.

.....

3. The moon looks bright in the sky.

.....

3**Cairo Governorate****El Basateen Educational Zone****1 (A) Cross out the odd word :**

Aluminum – Copper – Nickel – Silver. (.....)

(B) Write the scientific term :

1. The sphere that contains air and different gases. (.....)
2. The place where river meets a sea or an ocean. (.....)
3. A force generating between two objects in touch and slow down the speed. (.....)
4. The fastest planet rotates on its axis in the solar system. (.....)

2 (A) Correct the underlined word :

The objects fall down due to the friction force.

(.....)

(B) What happens when ...?

1. Disappearance of water from the Earth's surface.

.....

2. Overfishing (according to the number of fish).

.....

3. Using the car brake.

.....

4. Earth revolves around the Sun every year.

.....

3 (A) Choose the correct answer :

1. Most of Earth's surface is

a. land.

b. oxygen.

c. water.

d. mountains.

2. The gravity is a force.

a. pushing

b. friction

c. visible

d. pulling

(B) Give reasons for :

1. Water is a renewable resource.

.....

2. Occurance of high tide and low tide.

.....

3. We can't send astronauts to study stars.

.....

4 (A) Put (✓) or (X) :

1. Coral reefs are example of saltwater ecosystem.

()

2. The Sun appears to move in the sky.

()

(B) State one example only for each of the following :

1. A living organism that lives in ponds.

.....

2. A device that is used to see the distant celestial bodies.

.....

3. An example for a constellation.

.....

4

Giza Governorate

6th October Educational Zone

1 (A) Correct the underlined word :

The phenomenon of four seasons occurs due to the rotation of Earth on its axis. (.....)

(B) Complete the following sentences :

1. The moon moves around due to the gravity.
2. Magnet can attract some objects by a force called
3. A rat that digs a burrow in the soil is an example of the interaction between and geosphere.
4. Most lakes have fresh water, while other lakes have water.

2 (A) Put (✓) or (X) :

1. The solar system includes the Sun and Earth only. ()
2. Earth revolves around the Sun in a fixed path. ()

(B) Give reasons for :

1. We should turn off water tap during washing dishes.
.....

2. Most of fresh water on Earth can't be used for drinking.
.....

3. The moon is a dark body, but we see it shiny at night.
.....

3 (A) Cross out the odd word :

1. Earth – Jupiter – The Sun – The moon. (.....)
2. Second crescent – First gibbous – Second quarter – Hubble Space Telescope. (.....)

(B) What happens to ...?

1. The planets, if the Sun has no gravity.
.....

2. The state of water when it is subjected to extreme cold weather.
.....

3. The river water when it meets the sea water.
.....

4 (A) Choose the correct answer :

Our solar system contains

- a. one star. b. one planet. c. one moon. d. no stars.

(B) Write the scientific term of each of the following :

1. The pulling force that causes object to fall down toward the Earth's surface. (.....)
2. An imaginary line that passes through the two poles of Earth. (.....)
3. The system that includes humans, animals and plants on Earth. (.....)
4. A water body that is surrounded by land. (.....)

5**Giza Governorate****Al Agouza Educational Zone****1 (A) Complete the following :**

The is a body of water surrounded by land on all sides.

(B) Give reasons for :

1. The occurrence of the cycle of day and night.
.....
2. Skydivers open their parachutes during landing.
.....
3. The moon appears bright in the sky at night.
.....
4. Green plants can't survive in abyssal zones of oceans.
.....

2 (A) Write the scientific term :

A group of stars that forms a pattern like a certain shape in the sky. (.....)

(B) Mention the importance for each of the following :

1. Hubble Telescope :
2. Water filter :

(C) Mention one example for each of the following :

1. Salty lake :
2. Biome :

3 (A) Put (✓) or (x) :

1. Stars are made up of superhot gases. ()
2. The longest shadow is formed at the noon. ()

(B) What happens if ... ?

1. A river meets a sea.
.....
2. Closing pieces of iron to a magnet.
.....
3. The rate of rainfall increases on a river.
.....

4 (A) Choose the correct answer :

- Water lilies live in water.
a. flowing b. still c. freezing
- Minerals and rocks are parts of
a. biosphere. b. geosphere. c. hydrosphere.

(B) Fill in the following table :

Points of comparison	Full moon	New moon
Moon face :		
Occurrence time :		

(C) Mention the interacted spheres in the following :

Respiration in human.
.....

6**Alexandria Governorate****Montazah Educational Zone****1 (A) Choose the correct answer :**

Gravity is a type of

- a. force. b. friction. c. pushing.

(B) Complete the following :

- Salt water represents about % on the Earth's surface.
- Plastic is made from
- The Earth consists of and non-living things.
- When a river meets a sea, an is formed.

2 (A) Put (✓) or (X) :

Lake is a water body that surrounded by land.

()

(B) Write the scientific term for each of the following :

- The moon phase at which moon seems completely bright. (.....)
- The force between two magnets or a magnet and an object. (.....)
- The water between spaces of underground rocks. (.....)
- The fastest planet during its rotation on its axis. (.....)

3 (A) Cross out the odd word :

1. Rocks – Oceans – Sea.

(.....)

2. Starfish – Dolphin – Frog.

(.....)

(B) Mention the scientific reasons of :

1. Objects fall on the ground.

.....

2. Occurrence of four seasons.

.....

3. Magnet pulls iron nails.

.....

4 (A) Correct the underlined words :1. Air resistance is a type of gravitational force.

(.....)

2. Paper is made from oil.

(.....)

(B) Classify the following :

(soil – rivers – animals)

Geosphere	Biosphere	Hydrosphere
.....		

7 Alexandria Governorate**Borg Al Arab Educational Zone****1 (A) Complete the following sentence :**

The gravity of the affects the tides in the seas and oceans.

(B) Give reasons for :

1. The moon appears bright at night.

.....

2. building dams is important.

.....

3. Planets revolve around the Sun in fixed orbits.

.....

4. The wastewater engineers test water sources.

.....

2 (A) Write the scientific term :

A group of stars that appear to form a specific pattern in the sky. (.....)

(B) Mention two factors that affect a resource sustainability.

.....

.....

3 (A) Put (✓) or (x) :

1. The Sun contains highly explosive gases.

()

2. The moon appears full moon at the beginning of the lunar month.

()

(B) What are the results of ...?

1. The cutting down of the forests trees.

.....

2. The soil pollution resulting from burning coal and oil.

.....

3. The apparent change in the Sun's position in the sky during the day.

.....

4 (A) Choose the correct answer :

1. One of the factors affecting the gravity is the of the object.

a. shape b. size c. mass d. length

2. The number of planets which revolve around the Sun is

a. 6 b. 9 c. 8 d. 7

(B) Classify the following living organisms according to their habitat :

1. Moses fish lives in

2. Water lilies live in

8**Menoufia Governorate****Shebeen El-Koum Educational Zone****1 (A) Choose the correct answer :**

The planets revolve around the Sun in fixed orbits due to the gravity of the

a. Sun. b. Earth. c. moon.

(B) Give an example for each of the following :

1. Source of salt water on the Earth's surface.

.....

2. Material that is attracted to magnets.

.....

3. Plant that lives in pond water.

.....

4. Phase of the moon that appears at the first day of the lunar month.

.....

2 (A) Correct the underlined word :

Planets are giant celestial bodies composed of superhot gases. (.....)

(B) 1. Classify the following by using suitable Earth's sphere :

(Geosphere – Atmosphere – Biosphere – Hydrosphere)

- a. Water in river. (.....)
- b. Minerals in rocks. (.....)

2. Give reasons for :

- a. The phenomenon of sequences of night and day.
-

- b. Astronauts appear as they floating into space.
-

3 (A) Put (✓) or (X) :

1. Air resistance slows down the speed of moving objects through air. ()
2. The moon does not reflect the sunlight falling on it. ()

(B) What happens when ...?

1. Fresh water becomes scarce and poor quality.
-

2. Rainfall increases on the river than can be hold.
-

3. Half of the Earth faces the Sun.
-

4 (A) Complete the following sentences :

1. The force arises between two touching objects and slows the object's speed.
2. A group of stars that take a specific shape in the sky is called

(B) 1. Compare in table between oceans and streams by complete the following table:

Points of comparison	Streams	Oceans
Type of water :		
Living organisms live in each :		

2. What was the importance of the sundial in ancient times ?

.....

9

Dakahlia Governorate

Science Inspectorate

1 (A) Complete the following sentence :

A magnet paper clips by the force of

(B) What is meant by ...?

1. Tributaries :
2. Biome :
3. Galaxy :

2 (A) Choose the correct answer :

The illuminated moon in the shape of circle is called

- a. first quarter. b. first crescent. c. full moon. d. gibbous.

(B) 1. Write the name of the system which the following belong to it :

- a. Rivers and oceans. (.....)
- b. Rocks and minerals. (.....)

2. What happens when ...?

- a. You press the brake of the car.

.....

- b. Rotation of the Earth around its axis.

.....

3 (A) Write the scientific term :

1. A group of stars that looks like a certain shape in the sky. (.....)
2. The acting force on the moon to make it revolves around the Earth. (.....)

(B) Cross out the odd word and give reason :

1. Oceans – Seas – Rivers – Gulfs.

.....

2. Dolphins – Moses fish – Salamanders – Starfish.

.....

3. Iron – Copper – Nickel – Cobalt.

.....

4 (A) Put (✓) or (X) :

1. Stars are made of superhot gases, which make them bright. ()
2. Jupiter is the slowest rotating planet in our solar system. ()

(B) 1. Give reasons for :

a. Water is considered renewable resource.

.....

b. Governorate establishes natural protectorates.

.....

2. Mention two tools that used to discovering the universe and study the stars.

.....

.....

10**Gharbia Governorate****Gharbia Educational Zone****1 (A) Choose the correct answer :**

1. When the of object increases, its gravity increases.

- a. motion b. mass c. distance

2. The group of stars that make certain shape in the sky is called

- a. universe. b. constellation. c. ecosystem.

(B) Mention :

1. One example of hydrosphere.

.....

2. The importance of water filter.

.....

3. The name of the star in our solar system.

.....

2 (A) Put (✓) or (X) :

A plant can grow without water.

()

(B) 1. Mention the Earth's interaction in the following :

a. A girl drink water is an interaction between and

b. A rat that digs a burrow in the soil is an interaction between
and

2. Mention one use of :

a. Trees as a natural resource :

b. Oil products in our life :

3 (A) Complete the following sentence :

Gravity is a type of

(B) What happens if ...?

1. The river water meets the sea water.

.....

2. The rate of rainfall increases on a river.

.....

3. Earth doesn't rotate on its axis.

.....

4. There is no gravity on Earth.

.....

4 (A) Correct the underlined words :

1. Magnets attract objects which are made up of wood. (.....)
2. Earth is the center of motion in the solar system. (.....)

(B) Give reasons for :

1. Earth planet looks like a blue marble.
.....

2. You should turn off water tap after using it.
.....

3. The moon's gravity is less than Earth's gravity.
.....

11 Kafr El-Sheikh Governorate**Science Inspectorate****1 (A) Complete the following sentences :**

1. The Sun is located in the center of
2. Air resistance is a type of force.
3. The Earth's sphere that contains rocks, sand and soil is
4. When a river meets a sea an is formed.

(B) Give a reason for :

Skydivers open their parachutes during landing.
.....

2 (A) Choose the correct answer :

1. All the following materials can be used to filter wastewater, except
a. wood. b. cotton. c. sand. d. charcoal.
2. Among animals that can be found in ponds are and
a. lions – salamanders. b. dogs – frogs.
c. frogs – salamanders. d. foxes – bears.
3. At the noon, the Sun appears in the of the sky.
a. east b. west c. left d. center
4. are formed when water collects in low-lying areas.
a. Seas b. Lakes c. Rivers d. Oceans

(B) What happens if ...?

The Earth revolves around the Sun.
.....

3 (A) Write the scientific term :

1. A group of stars, planets and gases held together by gravity. (.....)
2. An invisible force that attracts iron to the magnet. (.....)
3. A process of removing harmful materials from water. (.....)

(B) Cross out the odd word :

1. Oxygen – Nitrogen – Water – Carbon dioxide.
2. Oceans – Rivers – Groundwater – Rainwater.

(.....)
(.....)

4 (A) Put (✓) or (X) :

1. Generating electricity is from the uses of water.
2. Gravity pulls objects towards the center of Earth.
3. Jupiter is the biggest body in the solar system.

()
()
()

(B) Complete the following table :

Salt water	Fresh water
1. It forms % of water in Earth.	3. It forms % of water in Earth.
2. It is found in and	4. It is found in and

12**Beheira Governorate****Science Inspectorate****1 (A) Complete the following sentence :**

The phenomenon of tides occurs due to the gravity of

(B) Give reasons for :

1. The length and position of the shadow change during the day.

.....

2. Gravity of Earth is greater than gravity of the moon.

.....

3. Catfish lives in streams water.

.....

4. Plants are considered renewable resources.

.....

2 (A) Choose the correct answer :

The Earth revolves around the Sun due to the gravity of

- a. Sun. b. Earth. c. moon. d. Jupiter.

(B) What will happen if ... ?

1. The gravity between Earth and the moon is absent.

.....

2. The Earth stopped rotating on its axis.

.....

3. Upstream of river water became polluted. (According to downstream)

.....

4. Cutting down of forest trees occurred.

.....

3 (A) Put (✓) or (X) :

1. The moon appears bright because it reflects the sunlight. ()
2. Magnetism is a visible force that attracts iron. ()

(B) Mention one benefit for each of the following :

1. Wastewater treatment plants :
2. Telescopes :
3. Moon's gravity on the Earth :

4 (A) Write the scientific term :

1. The Sun and the group of planets orbiting around it. (.....)
2. An imaginary line passing through the North pole and South pole of Earth. (.....)

(B) Define each of the following :

1. Constellation :
.....
2. Sustainability :
.....
3. Hydrosphere :
.....

13**Ismailia Governorate****Science Inspectorate****1 (A) Put (✓) or (x) :**

- Objects fall downward due to friction force. ()

(B) Mention one example for :

1. Saltwater lake.
.....
2. Interaction between biosphere and geosphere.
.....
3. A constellation.
.....
4. Tool that is used to see distant celestial objects.
.....

2 (A) Complete the following sentence :

When the distance between two objects decreases, the gravitational force between them

(B) Give reasons for :

1. Most of fresh water on Earth can't be used for drinking.

.....

2. The moon revolves around the Earth in a fixed orbit.

.....

3. No green plants can survive in the abyssal zones of oceans.

.....

4. Paper clips are attracted to the magnet.

.....

3 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Full moon	a. The pull or push that is applied to an object.
2. Force	b. The phase that appears at the end of the lunar month.
	c. The phase that appears at the middle of the lunar month.

1.

2.

(B) Determine :

1. The closest star to the Earth.

.....

2. The type of water in Lake Nasser.

.....

3. Two uses of water.

.....

4 (A) Choose the correct answer :

1. Magnetic force is considered a force of

a. push only. b. pull only. c. push or pull. d. friction.

2. The planet is the fastest rotating planet around its axis.

a. Earth b. moon c. Sun d. Jupiter

(B) What happens when ...?

1. The Earth rotates around its axis.

.....

2. The river water meets the sea water.

.....

3. The rate of rainfall increases on rivers.

.....

14

Suez Governorate

North Educational Zone

1 (A) Cross out the odd word :

Second crescent – First gibbous – Second quarter – The Sun. (.....)

(B) Write the scientific term :

1. The process of breaking down of rocks into smaller particles due to the effect of rain, water or temperature. (.....)
2. A type of water which is suitable for drinking. (.....)
3. It is a pull or push that is applied to an object. (.....)
4. They are giant spheres of superhot gases. (.....)

2 (A) Put (✓) or (X) :

Force of gravity can be seen easily, but we cannot see its effects. ()

(B) Complete the following sentences :

1. Clothes can be made from products such as cotton.
2. Dolphins live in
3. The fastest rotating planet on its axis in the solar system is
4. The object at rest needs to move.

3 (A) Choose the correct answer :

1. force acts on all objects on Earth.
a. Electric b. Speed c. Gravity d. Magnetism
2. The Earth rotates around itself once every
a. 24 hours. b. 365 days. c. 365 hours. d. 24 days.

(B) Correct the underlined words :

1. When a river meets a sea, a lake is formed. (.....)
2. Rocks and soil are parts of biosphere. (.....)
3. The Sun is a planet that gives off light. (.....)

4 (A) Complete the following sentences using the words below :

(night – orbit – day)

1. Earth pulls the moon, keeping it in around Earth.
2. The side of Earth that faces the Sun has

(B) 1. Mention two examples for renewable resource :

- a. :
- b. :

2. What happens to ...?

The speed of skydiver if he opens his parachute during landing.

.....

15**Port Said Governorate****Science Inspectorate****1 (A) Complete the following sentence :**

Magnets attract some metals, such as

(B) Give reasons for :1. The importance of water for the life of living organisms.
.....2. Jellyfish cannot live in ponds.
.....3. The moon revolves around Earth in a fixed orbit.
.....4. The cycle of night and day.
.....**2 (A) Write the scientific term :**

A type of friction force generating from the movement of an object through the air. (.....)

(B) Determine :1. The sphere that contains air and various gases.
.....2. Water that found in the cracks and spaces of underground rocks.
.....3. The fastest rotating planet on its axis in the solar system.
.....4. Imaginary line passing through the North pole to the South pole of Earth.
.....**3 (A) Put (✓) or (X) :**

1. Water is used only for drinking. ()

2. A plant cannot grow without water. ()

(B) What happens when ...?1. The amount of rainfall was very little.
.....2. If the factory waste leaks into one of the small streams.
.....3. The Earth stopped rotating on its axis.
.....

4 (A) Choose the correct answer :

- The force of pulls objects toward the center of Earth.
a. wind b. air resistance c. push d. gravity
- Earth rotates on its axis every
a. 24 hours. b. 12 hours. c. 24 days. d. 365 days.

(B) Mention the Earth's interacting systems in the following :

- Earthworms live in the soil and use it as a shelter for them.
.....
- Breaking down of rocks by the effect of running water.
.....

(C) Mention what the following sentence expresses :

The Sun and the planets that revolve around it.
.....

16**Minia Governorate****Science Inspectorate****1 (A) Cross out the odd word :**

Second crescent – First gibbous– Second quarter – Hubble
Telescope. (.....)

(B) Write the scientific term :

- It is a land area which is partially covered with water. (.....)
- It is a pull or a push that is applied to an object . (.....)
- It is a group of stars, planets and gases held together by gravity. (.....)
- A large area of the world that has similar soil, climate, plants and animals. (.....)

2 (A) Complete the following sentence :

The is a force that attracts metal objects which made of iron, nickel or cobalt.

(B) Correct the underlined words :

- The system that includes oceans, rivers and seas is called biosphere. (.....)
- The Earth spins on its axis once every 28 hours. (.....)
- When living oraganisms breath, there's an interaction between geosphere and atomsphere. (.....)
- The center of the solar system is the Earth. (.....)

3 (A) Choose the correct answer :

- Anything that has mass also has
a. gravity force. b. definite shape. c. definite color. d. electric charge.

2. The Sun and other stars are made up of
 a. hot solids. b. cold solids. c. hot gases. d. cold liquids.

(B) Give reasons for :

1. Occurrence of the cycle of seasons.

.....

2. Water is important for all living organisms on Earth.

.....

3. Most of the fresh water on Earth can't be used for drinking.

.....

4 (A) Put (✓) or (X) :

1. The moon reflects the sunlight. ()
 2. Air resistance slows down the speed of parachute. ()

(B) What happens ...?

1. If fresh water of a river meets the salt water of sea.

.....

2. To the gravity of the Sun if its mass decreases than it is now.

.....

3. When the rate of rainfall increases on a river.

.....

17

Qena Governorate

Science Inspectorate

1 (A) Choose the correct answer :

The Earth rotates on its axis once every

- a. 24 days. b. 365 days. c. 24 hours. d. 365 days.

(B) Mention one use of each of the following :

1. Water filter :
 2. Fresh water :
 3. Constellation :
 4. Telescopes :

2 (A) Put (✓) or (X) :

The fastest planet rotate on its axis in the solar system is Jupiter. ()

(B) What happens if ...?

1. The Sun has no gravity.

.....

2. Water is collected in a low-lying area.

.....

3. The Earth stopped spinning on its axis.

.....

4. A river meets sea water.

.....

3 (A) Cross out the odd word :

1. First gibbous – First quarter – Crescent – Galaxy. (.....)
2. Magnetism – Gravity – Friction – Earth. (.....)

(B) Mention the following :

1. The factors affecting the gravity of Earth :
2. The living organisms that live in streams :
3. Two examples of geosphere :

4 (A) Correct the underlined words :

1. The revolution of Earth around the Sun causes the cycle of day and night. (.....)
2. The force that opposes the objects moving in the air is called magnetism. (.....)

(B) Give reasons for :

1. The moon looks bright in the sky at night.
.....
2. No green plants in abyssal zones of oceans.
.....
3. We should conserve the fresh water.
.....

18**Luxor Governorate****Science Inspectorate****1 (A) Complete the following sentence :**

The are celestial bodies that give off their own heat and light.

(B) Give one example belong to the following Earth's system :

1. Geosphere :
2. Atmosphere :

(C) Classify the following water bodies into salt water and fresh water :

1. Lake Assal :
2. Lake Nasser :

2 (A) Correct the underlined word :

The only star in the solar system is the Earth. (.....)

(B) Write the scientific term of the following :

1. It is the place where a river ends. (.....)
2. A water body that surrounds the continents. (.....)
3. A group of stars that forms a pattern in the sky. (.....)
4. It is an area in oceans and seas sunlight cannot reach them. (.....)

3 (A) Put (✓) or (X) :

1. Stars are solid objects made up of rocks. ()
2. Force of magnet is always attraction force only. ()

(B) 1. Give a reason for the following :

The cycle of four seasons.

.....

2. What are the factors affect the gravity between two objects ?

- a.
- b.

4 (A) Choose the correct answer :

1. Pollution is one of the problems that affect of resources.
a. perservation b. sustainability c. restoration
2. acts against gravity force during landing by parachutes.
a. Air resistance b. Magnetism c. Electricity

(B) What happens if ... ?

1. The river water meets the sea water.
.....
2. A magnet is placed near to some iron paper clips.
.....
3. The moon completes one revolution around Earth.
.....

19**Aswan Governorate****Aswan Educational Zone****1 (A) Choose the correct answer :**

1. The fastest rotating planet in the solar system is
a. moon. b. Earth. c. Jupiter. d. Mars.
2. Salt water mixes with fresh water in
a. an estuary. b. a lake. c. oceans. d. a river.

(B) Give reasons for :

1. The moon has different phases in the night sky.
.....
2. Skydiver opens his parachute during landing.
.....
3. There are few plants that can grow in Lake Assal.
.....

2 (A) Put (✓) or (X) :

1. The Earth rotates clockwise on its axis. ()
2. Hubble Space Telescope can observe very distant celesital objects. ()

(B) Answer the following questions :

1. What are the interacted spheres in the photosynthesis process?

.....

2. What is the relation between mass and gravity?

.....

3. Mention two main risks that are related to the fresh water, and threaten the world.

.....

.....

3 (A) Complete the following sentence :

Human can conserve natural resources in different ways such as preservation and

(B) What happens if ...?

1. The distance between the moon and the Earth increases.

.....

2. The Earth revolves around the Sun.

.....

3. The quality of fresh water becomes poor and pollute.

.....

4. The Earth stops spinning on its axis.

.....

4 (A) Cross out the odd word :

Oceans – Sea – Lake Nasser – Lake Assal. (.....)

(B) Write the scientific term for each of the following :

1. A force that generated between two touching surfaces. (.....)

2. It is a large area of the world that has similar soil, climate and animals. (.....)

3. They are giant spheres of superhot gases. (.....)

4. The water that stored in the cracks and spaces between underground rocks. (.....)

20**Matrouh Governorate****Matrouh Educational Zone****1 (A) Mention one example for :**

A star exists in our solar system :

(B) Write the scientific term for each of the following :

1. The system that surrounds the Earth and composed of different gases. (.....)

2. A phenomenon that happens due to the increase of the level of water in a river.
(.....)
3. It is a force that opposes the motion of a body through solids, air or liquid.
(.....)
4. The moon phase at which moon seems completely bright.
(.....)

2 (A) Correct the underlined word :

Gravity is affected by the color of an object. (.....)

(B) Complete the following sentences :

1. and from water bodies contain fresh water.
2. of natural resources means prevent using natural resources in special areas.
3. The planets revolve around the Sun in path.
4. The moon reflects the light of

3 (A) Put (✓) or (X) :

1. The gravity of moon affects the ocean tides. ()
2. Constellations have similar shapes in the sky. ()

(B) What happens ...?

1. To the living organisms that live in lakes if they dry up in summer.
.....
2. If water is collected in a low-lying area between mountains.
.....
3. If Earth doesn't rotate on its axis.
.....

4 (A) Choose the correct answer :

1. The planets revolve around the Sun in fixed orbits.
a. oval b. rectangular c. triangular
2. The Earth revolves around the Sun once every
a. one day. b. one year. c. 24 hours.

(B) Give reasons for :

1. No green plants can survive in the abyssal zones of oceans.
.....
2. We should turn off water tap during washing dishes.
.....
3. The moon is attracted to Earth.
.....

Cairo Governorate

1 Heliopolis Educational Zone

- 1 (A) nickel – cobalt.
- (B) 1. Because we are moving with the same speed of Earth.
2. Because when the distance between them decreases, the gravity increases and vice versa.
- (C) 1. They are used to see distant celestial objects in more details.
2. They are used to remove harmful materials from polluted water to get filtered water that human can use in many purposes.

- 2 (A) 1. b 2. c
- (B) 1. The amount of fresh water in the Earth will decrease.
2. The moon will float off into space.
- (C) It is the orbiting of an object around another object.

- 3 (A) 1. (✗) 2. (✗)
- (B) 1. Jupiter. 2. Universe.
- (C)

Point of comparison	Biosphere	Geosphere
The system contains:	Humans, animals and plants.	Rocks, minerals, soil and landforms.

- 4 (A) 1. 3.5%. 2. watershed.
- (B) 1. The harmful materials will be removed from water.
2. The cycle of day and night will happen.
- (C) 1. Due to the gravitational attraction between Earth and the moon.
2. Due to reactions between superhot gases inside the stars which produce light and heat.

2 New Cairo Educational Zone

- 1 (A) magnetic
- (B) 1. Evaporation.
2. Lake.
3. Orbit.
4. Gravity.

- 2 (A) Galaxy (all items are moon phases, except galaxy).
- (B) 1. Telescope.
2. The Constellation Orion.
3. Biosphere.
4. 3.5%.

- 3 (A) 1. (✓) 2. (✗)
- (B) 1. It is a large area of the world that has similar soil, climate, plants and animals.

2. It means using natural resources in a way that does not negatively affect the future supply of these resources.
3. It is a group of stars, planets and gases held together by gravity.

4 (A) 1. c 2. d

- (B) 1. Because it is too salty for fish and most aquatic plants and animals to live in.
2. To make sure it is safe before the water is released to rivers and lakes or used by humans.
3. Because it reflects the sunlight.

3 EL Basateen Educational Zone

1 (A) Nickel (all items are not attracted to the magnet, while nickel is attracted to the magnet).

- (B) 1. Atmosphere.
2. Estuary.
3. Friction force.
4. Jupiter.

2 (A) gravity.

- (B) 1. That leads to death of all living organisms which depend on water to survive.
2. The number of fish will decrease and the fish become rare and fishing will decrease.

3. The speed of car decreases until it stops.
4. The cycle of four seasons will happen.

3 (A) 1. c 2. d

- (B) 1. Because water can be replaced in nature through the water cycle.
2. Due to the gravity of moon.
3. Because the stars are very faraway from Earth and also they are made of highly explosive gases.

4 (A) 1. (✓) 2. (✓)

- (B) 1. Salamanders.
2. Hubble Space Telescope.
3. The Constellation Orion.

Giza Governorate

4 6th October Educational Zone

1 (A) day and night

- (B) 1. Earth
2. magnetism.
3. biosphere
4. salt

2 (A) 1. (✗) 2. (✓)

- (B) 1. To conserve fresh water.
2. Because most of fresh water on Earth are in the form of frozen water.
3. Because it reflects the sunlight.

- 3 (A) 1. The Sun (all items are dark bodies that don't give off light, while the Sun is a star that gives off light).

2. Hubble Space Telescope (all items are moon phases, while Hubble Space Telescope is a tool used to see distant celestial objects).

- (B) 1. The planets will leave their orbits and float off into space.

2. It changes from liquid state into solid state.

3. An estuary is formed.

- 4 (A) a

- (B) 1. Gravitational force.

2. Earth's axis.

3. Biosphere.

4. Lake

5 Al Agouza Educational Zone

- 1 (A) lake

- (B) 1. Due to the rotation of Earth on its axis.

2. To slow down their speed during landing due to the air resistance.

3. Because it reflects the sunlight.

4. Because the abyssal zones don't receive sunlight, which is important for making food in plants.

- 2 (A) Constellation.

- (B) 1. It is used to see distant celestial objects in more details.

2. It is used to remove harmful materials from polluted water to get filtered water that human can use in many purposes.

- (C) 1. Lake Assal.

2. Deserts.

- 3 (A) 1. (✓) 2. (✗)

- (B) 1. An estuary is formed.

2. The magnet will attract the pieces of iron.

3. The level of water in this river will increase causing floods.

- 4 (A) 1. b 2. b

- (B)

Points of comparison	Full moon	New moon
Moon face:	The moon face is fully illuminated.	The moon face is fully darkened
Occurrence time:	It appears in the middle of the lunar month.	It appears in the last day in the lunar month.

- (C) There is an interaction between atmosphere and biosphere.

Alexandria Governorate

6 Montazah Educational Zone

- 1 (A) a
(B) 1. 96.5
2. oil products.
3. living organisms
4. estuary

- 2 (A) (✓)
(B) 1. Full moon.
2. Magnetism.
3. Groundwater.
4. Jupiter.

- 3 (A) 1. Rocks (all items belong to hydrosphere, while rocks belong to geosphere).
2. Frog (all items are animals live in oceans and seas, while frog live in ponds).
(B) 1. Due to gravity that pulls objects down toward the ground.
2. Due to the revolution of Earth around the Sun.
3. Due to the force of magnetism.

- 4 (A) 1. friction
2. trees.
(B)

Geosphere	Biosphere	Hydrosphere
Soil	Animals	Rivers

7 Borg Al Arab Educational Zone

- 1 (A) moon
(B) 1. Because it reflects the sunlight.
2. Because they are used in generating electricity.
3. Due to the great gravitational pulling force between the Sun and planets.
4. To make sure it is safe before the water is released to rivers and lakes or used by human.

- 2 (A) Constellation.
(B) Overpopulation and pollution.

- 3 (A) 1. (✓) 2. (✗)
(B) 1. That leads to deforestation, so water and wind can carry away soil causing soil erosion.
2. That causes the death of plants and animals.
3. The length and angle of shadows of the objects will change.

- 4 (A) 1. c 2. c
(B) 1. oceans and seas.
2. ponds.

Menoufia Governorate

8 Shebeen El-Koum Educational Zone

- 1** (A) a
(B) 1. Oceans.
2. Iron.
3. Water lilies.
4. First crescent.

- 2** (A) Stars.
(B) 1. a. Hydrosphere.
b. Geosphere.
2. a. Due to the rotation of Earth on its axis.
b. Because there is no gravity force in the space.

- 3** (A) 1. (✓) 2. (✗)
(B) 1. It leads to death of living organisms and extinction of some species live in fresh water.
2. The level of water in this river will increase causing flooding.
3. This half has a day.

- 4** (A) 1. friction
2. constellation.
(B) 1.

Points of comparison	Streams	Oceans
Type of water:	Fresh water	Salt water
Living organisms live in each:	Catfish and Salmon.	Dolphin, Kelp and starfish.

2. The sundial was used to detect the time in ancient times.

Dakahlia Governorate

9 Science Inspectorate

- 1** (A) attracts – magnetism.
(B) 1. They are small water bodies such as small creeks or streams that flow into bigger rivers.
2. It is a large area of the world that has similar soil, climate, plants and animals.
3. It is a group of stars, planets and gases held together by gravity.

- 2** (A) c
(B) 1. a. Hydrosphere.
b. Geosphere.
2. a. The speed of car decreases until it stops.
b. The phenomenon of day and night will happen.

- 3** (A) 1. Constellation.
2. The gravitational force.
(B) 1. Rivers (all items are saltwater bodies, while rivers are freshwater bodies).
2. Salamanders (all items are living organisms live in oceans and seas, while salamanders live in ponds).

3. Copper (all items are attracted to the magnet, except copper is not attracted to the magnet).

4 (A) 1. (✓) 2. (✗)

- (B) 1. a. Because water can be replaced in nature through the water cycle.
b. To preserve natural resources.
2. Binoculars and telescopes.

Gharbia Governorate

10 Gharbia Educational Zone

1 (A) 1. b 2. b

- (B) 1. Rivers.
2. It is used to remove harmful materials from polluted water to get filtered water that human can use in many purposes.
3. The Sun.

2 (A) (✗)

- (B) 1. a. biosphere = hydrosphere.
b. biosphere = geosphere.
2. a. They are used in making papers.
b. Most plastic is made from oil products.

3 (A) force.

- (B) 1. An estuary is formed.
2. The level of water in this river will increase causing flooding.

3. Phenomenon of day and night will not happen.
4. All objects on its surface will float off into space.

4 (A) 1. iron: 2. The Sun

- (B) 1. Because about 71% of Earth is covered by water.
2. To conserve fresh water.
3. Because the mass of the moon is less than the mass of Earth.

Kafr Elsheikh Governorate

11 Science Inspectorate

1 (A) 1. solar system.

2. friction
3. geosphere. 4. estuary

- (B) To slow down their speed during landing due to the air resistance.

2 (A) 1. a 2. c 3. d 4. b

- (B) The cycle of four seasons will happen.

3 (A) 1. Galaxy. 2. Magnetism.

3. Recycle wastewater.

- (B) 1. Water (all items belong to atmosphere, while water belongs to hydrosphere).
2. Oceans (all items are freshwater bodies, while oceans are saltwater bodies).

- 4 (A) 1. (✓) 2. (✓) 3. (✗)
 (B) 1. 96.5 2. oceans – seas.
 3. 3.5
 4. rivers – groundwater.

Beheira Governorate

12 Science Inspectorate

- 1 (A) moon.
 (B) 1. Because the Sun appears to move in the sky during the day.
 2. Because the mass of Earth is bigger than the mass of the moon.
 3. Because they live in fresh water only and streams have fresh water.
 4. Because plants can be planted from seeds that grow up forming new plants.

- 2 (A) a
 (B) 1. The moon will float off into space.
 2. The phenomenon of day and night will not happen.
 3. Downstream will be polluted.
 4. That leads to deforestation, so water and wind can carry away soil causing soil erosion.

- 3 (A) 1. (✓) 2. (✗)
 (B) 1. They recycle wastewater by removing harmful materials from wastewater to reuse it.

2. They are used to see distant celestial objects in more details.
 3. It affects the ocean tides.

- 4 (A) 1. Solar system.
 2. Earth's axis.
 (B) 1. It is a group of stars that forms a pattern or looks like a certain shape in the sky.
 2. It is using natural resources in a way that does not negatively affect the future supply of these resources.
 3. It is the system that includes all water on Earth (fresh water and salt water).

Ismailia Governorate

13 Science Inspectorate

- 1 (A) (✗)
 (B) 1. Lake Assal.
 2. During photosynthesis process, plants roots absorb nutrients from the soil to make their own food.
 3. The Constellation Orion.
 4. Telescope.

- 2 (A) increases.
 (B) 1. Because most of fresh water on Earth are in the form of frozen water.
 2. Due to the gravitational force of Earth.

3. Because the abyssal zones don't receive sunlight which is important for making food in plants.
4. Due to the force of magnetism.

3 (A) 1. c 2. a

- (B) 1. The Sun.
2. Fresh water.
3. Generating electricity – Irrigation.

4 (A) 1. c 2. d

- (B) 1. The phenomenon of day and night will happen.
2. An estuary is formed.
3. The level of water in these rivers will increase causing flooding.

Suez Governorate

14 North Educational Zone

1 (A) The Sun (all items are moon phases, except the Sun is a star).

- (B) 1. Weathering.
2. Fresh water.
3. Force. 4. Stars.

2 (A) (x)

- (B) 1. plant 2. oceans.
3. Jupiter. 4. force

3 (A) 1. c 2. a

- (B) 1. an estuary
2. geosphere. 3. star

4 (A) 1. orbit 2. day.

- (B) 1. a. Water. b. Plants.
2. The speed of skydiver decreases gradually due to the air resistance.

Port Said Governorate

15 Science Inspectorate

1 (A) iron.

- (B) 1. All living organisms need water to survive and some animals and plants live in it.
2. Because they live in saltwater bodies only and ponds are freshwater bodies.
3. Due to the gravitational force of Earth.
4. Due to the rotation of Earth on its axis.

2 (A) Air resistance.

- (B) 1. Atmosphere.
2. Groundwater.
3. Jupiter.
4. Earth's axis.

3 (A) 1. (x) 2. (x)

- (B) 1. The level of water in rivers will decrease and rivers may dry up causing draught.
2. The waste of the factory will be transfer into the water of tributary, then into the river causing water pollution.
3. The phenomenon of day and night will not happen.

- 4 (A) 1. d 2. a
 (B) 1. Biosphere interacts with geosphere.
 2. Hydrosphere interacts with geosphere.
 (C) The solar system.

Minia Governorate

16 Science Inspectorate

- 1 (A) Hubble Telescope (all items are moon phases, while Hubble Telescope is a tool used to see distant celestial objects).
 (B) 1. Wetland.
 2. Force.
 3. Galaxy.
 4. Biome

- 2 (A) magnetism
 (B) 1. hydrosphere. 2. 24
 3. biosphere
 4. the Sun.

- 3 (A) 1. a 2. c
 (B) 1. Due to the revolution of Earth around the Sun.
 2. All living organisms need water to survive and some animals and plants live in water.
 3. Because most of fresh water on Earth are in the form of frozen water.

- 4 (A) 1. (✓) 2. (✓)
 (B) 1. An estuary is formed.

2. The gravity of the Sun will decrease.
 3. The level of water in this river will increase causing flooding.

Qena Governorate

17 Science Inspectorate

- 1 (A) c
 (B) 1. It is used to remove harmful materials from polluted water to get filtered water that human can use in many purposes.
 2. Drinking.
 3. It helps us to determine the main directions (north, south, east and west).
 4. They are used to see distant celestial objects in more details.

- 2 (A) (✓)
 (B) 1. The planets will leave their orbits and float off into space.
 2. A lake is formed.
 3. The phenomenon of day and night will not happen.
 4. An estuary is formed.

- 3 (A) 1. Galaxy (all items are moon phases, except galaxy).
 2. Earth (all items are types of forces, except Earth is a planet).

- (B) 1. The masses of objects and the distance between them.
2. Catfish and Salmon.
3. Soil and rocks.

- 4 (A) 1. four seasons.
2. air resistance.
(B) 1. Because it reflects the sunlight.
2. Because the abyssal zones don't receive Sunlight, which is important for making food in plants.
3. Because there is a limited amount of fresh water on Earth.

Luxor Governorate

18 Science Inspectorate

- 1 (A) stars
(B) 1. Soil. 2. Oxygen gas.
(C) 1. Salt water.
2. Fresh water.

- 2 (A) Sun.
(B) 1. Downstream.
2. Ocean.
3. Constellation.
4. Abyssal zone.

- 3 (A) 1. (✗) 2. (✗)
(B) 1. Due to the revolution of Earth around the Sun.

2. a. The masses of the two objects.
b. The distance between the two objects.

- 4 (A) 1. b 2. a
(B) 1. An estuary is formed.
2. The magnet will attract the iron paper clips.
3. The phases of the moon are formed.

Aswan Governorate

19 Aswan Educational Zone

- 1 (A) 1. c 2. a
(B) 1. Due to the moon's revolution around Earth.
2. To slow down his speed during landing due to the air resistance.
3. Because it has a high concentration of natural salts so it is too salty for plants to grow.

- 2 (A) 1. (✗) 2. (✓)
(B) 1. Atmosphere interacts with biosphere.
2. The gravity of an object increases, as its mass increases and vice versa.
3. Fresh water scarcity and poor quality.

- 3 (A) sustainability.
(B) 1. The gravitational attraction between them would become smaller.

2. The cycle of four seasons will happen.
3. It leads to death of living organisms and extinction of some species live in fresh water.
4. The phenomenon of day and night will not happen.

- 4** (A) Lake Nasser (all items are saltwater bodies while Lake Nasser is freshwater body).
- (B) 1. Friction force.
2. Biome. 3. Stars.
4. Groundwater.

Matrouh Governorate

20 Matrouh Educational Zone

- 1** (A) The Sun.
- (B) 1. Atmosphere.
2. Flooding.
3. Friction force.
4. Full moon.

- 2** (A) mass
- (B) 1. Rivers – wetland
2. Preservation
3. ellipse
4. the Sun.

- 3** (A) 1. (✓) 2. (✗)
- (B) 1. They have to adapt to the changes that happen or they will die.
2. A lake is formed.
3. The phenomenon of day and night will not happen.

- 4** (A) 1. a
2. b
- (B) 1. Because the abyssal zones don't receive sunlight, which is important for making food in plants.
2. To conserve fresh water.
3. Due to gravitational attraction between Earth and the moon.

حمل الآن

مجانا وحصريا

امتحانات رقم (3)

الترم الثاني



20
Marks

- Coral reefs are found in the of oceans.

- ## (B) What happens when ...?

- 2 The quality of fresh water becomes poor.

- 3** A magnet is placed near to a piece of cobalt.

- 4 A feather and a hammer fall from the same height at the same time in a vacuumed room.

- Wind turbines move by the effect of gravity.

(B) Answer the following questions:

- ### 1 What are the factors that affect the sustainability of resources?

- 2** Water affects nonliving things, like rocks. **Explain.**

- 3** What is the force that changes the direction of a ball after throwing it upwards?

- #### 4 What causes the Moon to have different phases in the night sky?

1 A large area of the world that has similar soil, climate, plants, and animals. (.....)

- 2** A group of stars, planets, and gases held together by gravity. (.....)

(B) Give a reason for:

1 The Earth looks like a blue marble from space.

.....

2 Occurrence of day and night.

.....

3 In the abyssal zones of oceans, no green plants can survive.

.....

.....

4 (A) Mention an example for:

1 Living organisms that live in seas and oceans:

2 A freshwater body:

(B) Answer the following questions:

1 What are the kinds of wetlands?

.....

2 How is groundwater formed?

.....

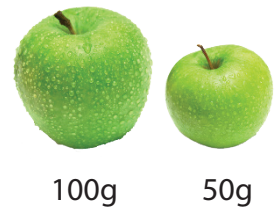
.....

3 From the opposite figure, which apple will be attracted more by the Earth's gravity? Why?

.....

.....

.....



100g

50g

Model (2)

20
Marks

1 (A) Correct the underlined word:

- When the amount of water upstream decreases, the amount of water downstream increases.

(.....)

(B) Answer the following questions:

1 Water is an important natural resource on Earth. **Explain.**

.....
.....

2 How does an estuary is formed?

.....

3 What are the factors that affect gravity?

.....

4 What are the factors that affect the length and the angle of a shadow?

.....
.....

2 (A) Write the scientific term:

- An imaginary line passing through the North pole and South pole of Earth. (.....)

(B) Give a reason for:

1 Fish and most aquatic animals can't survive in lake Assal.

.....

2 Farmers near tributaries may cause water pollution.

.....

3 The Earth's gravity is greater than the Moon's gravity.

.....

4 In the early morning, objects have the longest shadow.

.....

3 (A) Complete the following sentences using the words between brackets:

1 Gold is resource on Earth. (an artificial - a natural)

2 The gravity of affects the oceans tides. (the Moon - the Sun)

(B) Define each of the following:

1 Geosphere:

2 Force:

3 Constellation:

4 (A) Correct the underlined word:

- In the full moon phase, the size of the illuminated part increases gradually overtime.

(.....)

(B) Look at the opposite figure, then answer:

1 The swimming of a child in a pool is an example of interaction between:

– and

2 The breathing of a child is an example of interaction between:

– and

3 Mention an example that represents an interaction between hydrosphere and geosphere.

.....



20
Marks

- All of the following are from the freshwater bodies, except

- (B) Answer the following questions:**

P.O.C	Rivers	Lakes
Types of water		

- Most of fresh water are found in rivers. (.....)

1 Water in a water body evaporates. (According to the interaction between spheres)

2 Groundwater of wells are used faster than they are replaced by rains.

3 The gravity of the Sun in the solar system disappears.

4 The Sun is high and most directly above an object in the sky at noon.

3 (A) Write the scientific term:

- 1 An area of land where water from different sources flow in one direction towards a common location. (.....)
- 2 A cycle that shows the continuous movement of water from the Earth to the atmosphere, then to the Earth again. (.....)

(B) Look at the opposite figures, then answer:

- 1 Figure (1) represents the, and the force that controls the revolution of the planets in fixed orbits is
- 2 From figure (2), number (1) indicates the Sun, while number (2) indicates
- 3 From figure (2), number (4) is surrounded by the and its function is



Fig. (1)

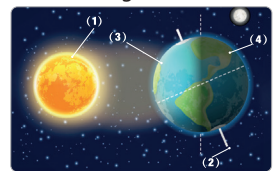


Fig. (2)

4 (A) Complete the following sentences using the words between brackets:

- 1 Prevent using of natural resources in Ras Mohammed Protectorate is considered as an example of (preservation – sustainability)
- 2 The planets revolve around the Sun in orbits. (circular – elliptical)

(B) Give a reason for:

- 1 Salamanders and salmon can't live in the same aquatic ecosystem.

.....

.....

- 2 Air resistance affects the movement of an object when it falls from a height.

.....

.....

- 3 The Sun looks much larger to us than other stars.

.....

Model (4)

20
Marks

1 (A) Complete the following sentence using the words between brackets:

- Marshes and ponds are examples of (groundwater – wetlands)

(B) Give a reason for:

1 Sustainability is more flexible than preservation.

.....
.....
.....

2 The total amount of water on Earth doesn't change.

.....

3 The Sun is considered the center of motion of the solar system.

.....

4 The Sun appears to rise from the east and set in the west.

.....

2 (A) Put (✓) or (X):

- Air resistance opposes the direction of motion by exerting a pulling force on the moving object.
()

(B) What happens when ...?

1 When the amount of rainfall exceeds the level of the rivers.

.....

2 Cutting down too many trees.

.....

3 We approach like poles of magnets to each other.

.....

4 Occurrence of seasons.

.....

3 (A) Write the scientific term:

1 The area along the ocean between the high and low tides. (.....)

2 An imaginary line passing through the two poles of Earth. (.....)

(B) Answer the following questions:

1 Mention the function of water filters.

.....

.....

2 Give one difference between stars and moons.

.....

.....

3 What is the function of telescopes and binoculars?

.....

4 (A) Choose the correct answer:

1 The Earth spins around its axis once every

- a) 24 months b) 24 hours c) 30 days d) 24 days

2 The fastest planet that rotates on its axis in the solar system is

- a) the Sun b) Earth c) Jupiter d) the Moon

(B) Compare between each of the following:

1

P.O.C	Oceans and seas	Streams
Water Movement		
Living organisms that live in		

2

P.O.C	Magnetism	Gravity
Types of force		

3

P.O.C	Full moon	New moon
Illuminated part of the Moon		

Model (5)

20
Marks

1 (A) Choose the correct answer:

- Birds stretch their wings as the slows down their speed to land safely.

- a) friction force b) air resistance c) gravity d) magnetism

(B) What happens to ...?

1 The living organisms that live in a poor quality of fresh water.

.....
.....

2 The rate of rainfall on a river or stream decreases.

.....

3 When the mass of the Moon is doubled.

.....
.....

4 The Earth doesn't rotate around its axis.

.....

2 (A) Put (✓) or (X):

- Salt water represents 3.5% of water on Earth. ()

(B) Give a reason for:

1 Overfishing has negative effects on oceans and seas.

.....
.....

2 Humans build dams on rivers.

.....

3 Hiding of a worm inside the soil is an example of an interaction between two Earth's spheres.

.....

4 Planetarium is an important building for space scientists.

.....

3 (A) Complete the following sentences using the words between brackets:

1 The Earth consists of main systems. (three – four)

2 The new moon phase appears in the day of the lunar month. (first – last)

(B) Answer the following questions:

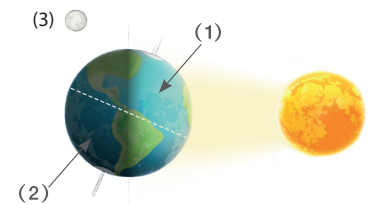
1 Classify the following components according to the sphere they belong to in the table below:

– Water – Water vapor – Oxygen – Rocks – Wind – Carbon dioxide – Plant roots – Puddle – Elephant – Mosquito – Minerals – Rain – Soil.

Biosphere	Hydrosphere	Atmosphere	Geosphere
.....			
.....			
.....			

2 Look at the opposite figure, then answer:

- Side (2) is at because
- Side (1) is at because



3 In the opposite figure, why does object (3) seem shiny at night?

.....

4 (A) Cross out the odd word:

1 Water – Animals – Plants – Human. (.....)

2 Earth – Mars – The Sun – Jupiter. (.....)

(B) Define each of the following:

1 Tributaries:

2 Friction:

3 Magnetism:

Model (1)

20
Marks

1 (A) Choose the correct answer:

- Coral reefs are found in the of oceans.
- a) high-tide zone
 - b) low-tide zone
 - c) abyssal zones
 - d) **shallow areas**

(B) What happens when ...?

- 1 The rate of rainfall increases in a river.
- **Floods will occur when the river can't hold the excess water.**
- 2 The quality of fresh water becomes poor.
- **The death of some living organisms and the extinction of some species of fish and amphibians living in this water.**
- 3 A magnet is placed near to a piece of cobalt.
- **The piece of cobalt will be attracted to the magnet.**
- 4 A feather and a hammer fall from the same height at the same time in a vacuumed room.
- **They will reach the ground at the same time.**

2 (A) Put (✓) or (X):

- Wind turbines move by the effect of gravity. (X)

(B) Answer the following questions:

- 1 What are the factors that affect the sustainability of resources?
- **Overpopulation – Unequal distribution of resources – Resources overuse – Pollution.**
- 2 Water affects nonliving things, like rocks. **Explain.**
- **It causes weathering and erosion of rocks on the Earth's surface.**
- 3 What is the force that changes the direction of a ball after throwing it upwards?
- **The Earth's gravitational force.**
- 4 What causes the Moon to have different phases in the night sky?
- **The Earth's revolution around the Sun.**
- **The Moon's revolution around the Earth.**
- **Both the Earth and the Moon revolve together around the Sun.**

3 (A) Write the scientific term:

- 1 A large area of the world that has similar soil, climate, plants, and animals. (Biome)
- 2 A group of stars, planets, and gases held together by gravity. (Galaxy)

(B) Give a reason for:

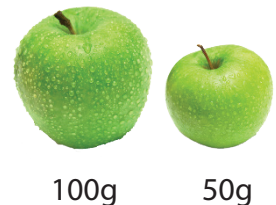
- 1 The Earth looks like a blue marble from space.
– **Because about three-quarters (71) % of the Earth is covered by water.**
- 2 Occurrence of day and night.
– **Due to the rotation of the Earth around its axis.**
- 3 In the abyssal zones of oceans, no green plants can survive.
– **Because abyssal zones are very deep areas in oceans, so that sunlight cannot reach the plants.**

4 (A) Mention an example for:

- 1 Living organisms that live in seas and oceans: **Kelp, dolphins, starfish, and flounder (Moses fish).**
- 2 A freshwater body: **River - Stream**

(B) Answer the following questions:

- 1 What are the kinds of wetlands?
– **From the kinds of wetlands are swamps (marshes) and ponds (bogs).**
- 2 How is groundwater formed?
– **The water leaked into the Earth through a layer of porous rocks, so it lies beneath the Earth's surface.**
- 3 From the opposite figure, which apple will be attracted more by the Earth's gravity? Why?
– **The apple whose mass is 100 g will be attracted more because the gravitational force increases by increasing the mass.**



Model (2)

20
Marks

1 (A) Correct the underlined word:

- When the amount of water upstream decreases, the amount of water downstream increases.
(**decreases**)

(B) Answer the following questions:

- 1 Water is an important natural resource on Earth. **Explain.**
- **Water is important for life of living organisms. Humans and animals drink water to survive, plants use it during photosynthesis, some animals and plants live in it.**
- 2 How does an estuary is formed?
- **It is formed when a river meets an ocean or a sea.**
- 3 What are the factors that affect gravity?
- **The object's mass, and the distance between the objects.**
- 4 What are the factors that affect the length and the angle of a shadow?
- **The position of the Sun in the sky.**
- **The amount of sunlight that reaches the Earth's surface during different seasons.**

2 (A) Write the scientific term:

- An imaginary line passing through the North pole and South pole of Earth. (**Earth's axis**)

(B) Give a reason for:

- 1 Fish and most aquatic animals can't survive in lake Assal.
- **Because it has high concentration of natural salts.**
- 2 Farmers near tributaries may cause water pollution.
- **Due to the using of chemical fertilizers that cause water pollution.**
- 3 The Earth's gravity is greater than the Moon's gravity.
- **Because the Earth has greater mass than the Moon.**
- 4 In the early morning, objects have the longest shadow.
- **Because the Sun is low in the sky (in the east).**

3 (A) Complete the following sentences using the words between brackets:

- 1 Gold is resource on Earth. (an artificial - **a natural**)
- 2 The gravity of affects the oceans tides. (**the Moon** - the Sun)

(B) Define each of the following:

- 1 Geosphere: **It is the system that includes rocks, minerals, soil, landforms, and molten rocks.**
- 2 Force: **It is a push or a pull that is applied to an object.**
- 3 Constellation: **It is a group of stars that forms a pattern or looks like a certain shape in the sky.**

4 (A) Correct the underlined word:

- In the full moon phase, the size of the illuminated part increases gradually overtime.

(first crescent)

(B) Look at the opposite figure, then answer:

- 1 The swimming of a child in a pool is an example of interaction between:
– **biosphere** and **hydrosphere**.
- 2 The breathing of a child is an example of interaction between:
– **biosphere** and **atmosphere**.
- 3 Mention an example that represents an interaction between hydrosphere and geosphere.
– **Erosion of rocks by water.** – **Formation of lakes.**



Model (3)

20
Marks

1 (A) Choose the correct answer:

- All of the following are from the freshwater bodies, except
- a) groundwater
 - b) rivers
 - c) seas
 - d) streams

(B) Answer the following questions:

- 1 How can water bodies on Earth change from the liquid state to other states?

- **Water can change into a solid state (ice) by freezing, and gaseous state (water vapor) by evaporation.**

- 2 Compare between ...

P.O.C	Rivers	Lakes
Types of water	Fresh water	Most of them contain fresh water, while others contain salt water.

- 3 How does the Sun produce heat and light?

- **The Sun uses the energy produced from reactions between gases inside it to give off heat and light.**

- 4 Mention some examples of biomes.

- **Tropical rainforest - Desert.**

2 (A) Correct the underlined word:

- Most of fresh water are found in rivers. (glaciers)

(B) What happens if ...?

- 1 Water in a water body evaporates. (According to the interaction between spheres)

- **The hydrosphere interacts with the atmosphere.**

- 2 Groundwater of wells are used faster than they are replaced by rains.

- **The groundwater will run out and the wells will dry up.**

- 3 The gravity of the Sun in the solar system disappears.

- **Planets will fly off into space.**

- 4 The Sun is high and most directly above an object in the sky at noon.

- **The shortest shadow of the object will be formed.**

3 (A) Write the scientific term:

- 1 An area of land where water from different sources flow in one direction towards a common location. **(Watershed)**
- 2 A cycle that shows the continuous movement of water from the Earth to the atmosphere, then to the Earth again. **(Water cycle)**

(B) Look at the opposite figures, then answer:

- 1 Figure (1) represents the **solar system**, and the force that controls the revolution of the planets in fixed orbits is **the Sun's gravity**.
- 2 From figure (2), number (1) indicates **the Sun**, while number (2) indicates **– the Earth 's axis**.
- 3 From figure (2), number (4) is surrounded by the **atmosphere** and its function is **allowing some light waves to pass and blocks some other light waves**.



Fig. (1)

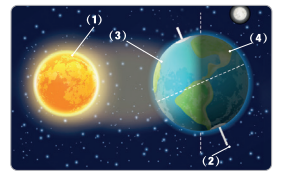


Fig. (2)

4 (A) Complete the following sentences using the words between brackets:

- 1 Prevent using of natural resources in Ras Mohammed Protectorate is considered as an example of **(preservation – sustainability)**
- 2 The planets revolve around the Sun in orbits. **(circular – elliptical)**

(B) Give a reason for:

- 1 Salamanders and salmon can't live in the same aquatic ecosystem.
– Because salamanders live in still water in ponds, while salmon lives in running water in rivers and streams.
- 2 Air resistance affects the movement of an object when it falls from a height.
– Because it acts in the opposite direction of motion and slows down the speed of the falling object.
- 3 The Sun looks much larger to us than other stars.
– Because it is the nearest star to us.

Model (4)

20
Marks

1 (A) Complete the following sentence using the words between brackets:

- Marshes and ponds are examples of (groundwater – **wetlands**)

(B) Give a reason for:

- 1 Sustainability is more flexible than preservation.
– **Because during preservation, the usage of the resources is restricted, while during sustainability, the usage of the resources is managed without negative effects on their amounts in the future.**
- 2 The total amount of water on Earth doesn't change.
– **Because water changes from one state to another, so we can recycle it.**
- 3 The Sun is considered the center of motion of the solar system.
– **Because the Sun has the greatest mass in the solar system, so it has the greatest gravity.**
- 4 The Sun appears to rise from the east and set in the west.
– **Due to the revolution of the Earth around the Sun from the west to the east.**

2 (A) Put (✓) or (X):

- Air resistance opposes the direction of motion by exerting a pulling force on the moving object.
(X)

(B) What happens when ...?

- 1 When the amount of rainfall exceeds the level of the rivers.
– **The river can't hold the excess water and a flood occurs.**
- 2 Cutting down too many trees.
– **Deforestation occurs, so water and wind also may carry the soil causing soil erosion.**
- 3 We approach like poles of magnets to each other.
– **They will repel.**
- 4 Occurrence of seasons.
– **Due to the revolution of the Earth around the Sun.**

3 (A) Write the scientific term:

- 1 The area along the ocean between the high and low tides. (Intertidal Zone)
- 2 An imaginary line passing through the two poles of Earth. (Earth's axis)

(B) Answer the following questions:

1 Mention the function of water filters.

– They are used to remove harmful materials from polluted water to get filtered water that human can use in many purposes.

2 Give one difference between stars and moons.

– Stars make their own light, but moons don't make their own light, they seem bright as they reflect the sunlight that falls on them.

3 What is the function of telescopes and binoculars?

– They are tools that help us see distant objects in space in more details.

4 (A) Choose the correct answer:

1 The Earth spins around its axis once every

a) 24 months **b) 24 hours** c) 30 days d) 24 days

2 The fastest planet that rotates on its axis in the solar system is

a) the Sun b) Earth **c) Jupiter** d) the Moon

(B) Compare between each of the following:

1

P.O.C	Oceans and seas	Streams
Water Movement	Water moves in the form of waves that crash onto shores.	They have running water.
Living organisms that live in	Dolphin – Starfish	Catfish – Salmon (Trout)

2

P.O.C	Magnetism	Gravity
Types of force	Pushing and pulling force	Pulling force only

3

P.O.C	Full moon	New moon
Illuminated part of the Moon	The apparent face that faces the Earth is fully illuminated.	The apparent face that faces the Earth is fully darkened.

Model (5)

20
Marks

1 (A) Choose the correct answer:

- Birds stretch their wings as the slows down their speed to land safely.

- a) friction force **b) air resistance** c) gravity d) magnetism

(B) What happens to ...?

1 The living organisms that live in a poor quality of fresh water.

- **The poor quality of fresh water causes the death or extinction of some species of fish and amphibians living in this water.**

2 The rate of rainfall on a river or stream decreases.

- **The water level will decrease, and they may dry up causing drought.**

3 When the mass of the Moon is doubled.

- **The gravitational force between the Moon and the Earth increases, so the Moon comes closer to the Earth and might crash into it.**

4 The Earth doesn't rotate around its axis.

- **The cycle of day and night will not happen.**

2 (A) Put (✓) or (X):

- Salt water represents 3.5% of water on Earth.

(X)

(B) Give a reason for:

1 Overfishing has negative effects on oceans and seas.

- **Because fish is caught more than they are replaced by reproduction, so fish in oceans and seas become rare and fishing will decrease.**

2 Humans build dams on rivers.

- **To store, control, and conserve fresh water.**

3 Hiding of a worm inside the soil is an example of an interaction between two Earth's spheres.

- **Because the biosphere (worm) interacts with the geosphere (soil).**

4 Planetarium is an important building for space scientists.

- **Because they can see images of stars, planets, constellations, and other celestial bodies.**

3 (A) Complete the following sentences using the words between brackets:

1 The Earth consists of main systems.

(three – **four**)

2 The new moon phase appears in the day of the lunar month.

(first – **last**)

(B) Answer the following questions:

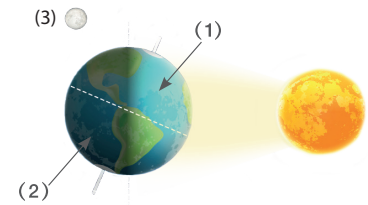
1 Classify the following components according to the sphere they belong to in the table below:

- Water – Water vapor – Oxygen – Rocks – Wind – Carbon dioxide – Plant roots – Puddle
- Elephant – Mosquito – Minerals – Rain – Soil.

Biosphere	Hydrosphere	Atmosphere	Geosphere
- Plant roots - Elephant - Mosquito	- Water - Rain - Puddle	- Water vapor - Oxygen - Wind	- Minerals - Rocks - Soil

2 Look at the opposite figure, then answer:

- Side (2) is at **night time** because **this half faces away from the Sun.**
- Side (1) is at **day time** because **this half faces the Sun.**



3 In the opposite figure, why does object (3) seem shiny at night?

- **Because it reflects the sunlight falling on it.**

4 (A) Cross out the odd word:

1 Water – Animals – Plants – Human.

(**Water**)

2 Earth – Mars – The Sun – Jupiter.

(**The Sun**)

(B) Define each of the following:

1 Tributaries: **They are small water bodies that flow into bigger rivers.**

2 Friction: **It is the force that arises between two touching surfaces and slows down their motion.**

3 Magnetism: **It is the force of attraction or repulsion between magnets or between a magnet and a magnetic object.**

حمل الآن

مجاناً وحصرياً

امتحانات رقم (4)

الترم الثاني



Science

Exam

1

1 A) Choose the correct answer:

- Water lilies live in water.
 (a) Flowing (b) Still (c) Freezing

B) Give a reason for each of the following:

- (1) Wastewater engineers test the treated water.

▶

- (2) Water is considered a renewable resource.

▶

- (3) Water is one of the basics of the survival and growth of living organisms.

▶

C) Gravitational forces are not limited to the Earth, Explain.

▶

2 A) Complete the sentence:

- Passing of factory wastes on a small stream causes

B) Answer the following:

- (1) The dolphins' aquatic ecosystem is , and its water type is
- (2) What is meant by tributaries? ▶
- (3) What is meant by biome? ▶
- (4) What is meant by wetlands? ▶

3 A) Put (✓) or (X):

- (1) Water just beneath the ground level is known as oceans. ()
- (2) Water from the High Dam in Egypt is used to generate thermal energy. ()

B) Answer the following:

- (1) Mention one example of depletion of a resource with an explanation.

▶

- (2) Mention one example of interaction of the hydrosphere with the biosphere.

▶

- (3) Classify the following water bodies into saltwater and freshwater:

(groundwater – Amazon River – Indian Ocean – Red Sea – Bardawel Lake – rain)

4 A) Cross out the odd word:

- (1) oceans – seas – rivers – gulf
- (2) Dolphins – Moses fish – salamanders – starfish

B) Answer the following:

- (1) ✎ What are the results of cutting down the forest trees?
▶
- (2) An object with a mass of 80 kilograms, and another object with a mass of 50 kilograms. Which of them is affected by more gravity if they are at the same height above Earth's surface?
▶
- (3) Mention a habit through which water consumption can be conserved (rationalized)?
▶

Science Exam 2

1 A) Complete the sentence:

- When water flows on the ground, it transports water grains and rocks to another place, and this is seen in the phenomenon of and the formation of

B) Give a reason for each of the following:

- (1) ✎ Very small aquatic plants and animals can live in Lake Assal in Djibouti.
▶
- (2) Plants are considered a renewable resource. ▶
- (3) Scientists have used the word "sphere" to name each of the Earth's systems.
▶
- (4) Write what you know about ocean currents. ▶

2 A) Choose the correct answer:

- 📖 If an object is projected vertically upwards, the object
 - (a) returns to Earth under the effect of gravity
 - (b) floats in space because there is no gravity
 - (c) clings because its gravity equals that of Earth
 - (d) moves fast towards space

B) Answer the following:

- (1) Define air resistance. ▶

(2) What is meant by sustainability? What are the factors that affect it?

▶

(3) What is meant by preservation? ▶

(4) What is one example of preserving a resource? ▶

3 A) Correct the underlined words:

(1) Preservation of natural resources means giving access to or use of a resource. (.....)

(2) The ocean is an area of land where water flows in a specific path from a high altitude area to a lower altitude one. (.....)

B) Answer the following:

(1) Mention some of the tasks of wastewater treatment engineers.

▶

(2) Mention two main risks that are related to freshwater and threaten the world.

▶

(3) Mention the living organisms that live in a stream.

▶

4 A) Put (✓) or (X):

(1) There is more underground water on Earth than all the water found in rivers and lakes. ()

(2) 20% of the world's animal species live only in freshwater habitats. ()

B) What happens if.....?

(1) The Earth was not tilted on its axis ▶

(2) People use more underground water than it is replaced.

▶

(3) Identify the interaction that occurs between the Earth's ecosystem spheres in the decomposition of the body.

▶

Science

Exam

3

1 A) Complete the sentence:

● Plants need water to do

B) What happens if.....?

(1) Freshwater becomes scarce and of poor quality.

▶

- (2) The amount of rainfall is very little. ▶
- (3) The rainfall is more than the river can contain. ▶
- (4) 📖 Cows start eating all the grass before the new grass grows.
▶

2 A) Choose the correct answer:

- The force that originates between two touching surfaces and causes the slowing of motion is called force.
(a) pushing (b) dragging (c) friction (d) pulling

B) Define the following:

- (1) Estuary: ▶
- (2) Abyssal zone: ▶
- (3) Watershed: ▶
- C) What is gravity?** ▶

3 A) Mention the Earth's interacting systems:

- (1) Earthworms live in the soil and use it as a shelter for themselves. (.....)
- (2) Breaking down of rocks by the effect of running water. (.....)

B) Give a reason for each of the following:

- (1) Few plants can grow in Lake Assal. ▶
- (2) No green plants can survive in the abyssal zones of the ocean.
▶
- (3) 📖 Why do the moon phases change during the lunar month?
▶

4 A) Put (✓) or (X):

- (1) Oceans are an example of a saltwater ecosystem. ()
- (2) The deep areas of the oceans that sunlight cannot reach are called shallow zones. ()

B) Explain:

- (1) Poor water quality puts amphibians at risk of extinction.
▶
- (2) The total amount of water doesn't change. ▶
- (3) Practical ways to rationalize the consumption of water.
▶

Science

Exam

4

1 A) Complete the sentence:

- Saltwater represents about % of the Earth's surface.

B) What happens if.....?

- (1) A river meets a sea? ►
 - (2) Water changes from one state to another (relative to its total quantity)?
►
 - (3) What is the force that causes the car to stop when we use the brake?
►
- C) What is friction? ►

2 A) Choose the correct answer:

- The acting force on the moon to make it rotate around the Earth is
(a) Earth's gravity (b) Sun's gravity (c) Moon's gravity (d) Mars's gravity

B) Give a reason for each of the following:

- (1)  The Sun looks much larger to us than other stars.
►
- (2) Most of the freshwater on Earth can't be used for drinking.
►
- (3) Preservation of natural resources. ►
- (4)  Jellyfish cannot live in ponds. ►

3 A) Determine:

- (1) A body of water surrounded by land, which is often fresh, but sometimes salty. (.....)
- (2) A place where water flows from an area of high altitude to an area with lower altitude in a definite path. (.....)

B) Define:

- (1) Intertidal zones: ►
- (2) Ponds: ►
- (3) Wetland: ►

4 A) Write what the following statement refers to:

- (1) Small streams that flow into larger rivers. (.....)

- (2)  A type of friction force that occurs due to the movement of objects in the air. (.....)

B) Explain:

- (1) Occurrence of high tide and low tide.
▶
- (2) The importance of sustainability.
▶
- (3) Mention the reasons that can lead to drought.
▶

Science Exam 5

1 A) Complete the sentence:

- The interaction between the geosphere and the biosphere, where provides nutrients for plants.

B) Explain:

- (1) How organisms are affected by the pollution of a water source.
▶
- (2)  Does the total amount of water on the Earth's surface change?
▶
- (3) Whales live in the oceans.
▶
- (4) Mention some examples of the interaction of the biosphere and the hydrosphere on Earth's surface.
▶

2 A) Choose the correct answer:

-  A parachute helps in
 - (a) increasing the velocity of an object falling to the ground
 - (b) slowing down the velocity of the object falling to the ground
 - (c) decreasing the air resistance against the falling object
 - (d) increasing the drag on the object towards the gravity

B) What happens if...?

- (1) Paper and clothes pegs are thrown at the same time from the window on the floor.
▶
- (2) Water is collected in a low-lying area? ▶

(3) The state of water when it is subjected to extreme cold weather.



(4) Overfishing happens in a city?



3 A) Put (✓) or (X):

(1) An estuary's water increases when the amount of water in upstream decreases. ()

(2) Generating electricity is from the use of river's water. ()

B) Define:

(1) Conservation of natural resources:



(2) A glacier:



(3) Lithosphere:



4 A) Mention one example for each:

(1) A salty lake:



(2) A biome:



B) Give a reason for each of the following:

(1) Society needs to move toward resource sustainability.



(2) The importance of wastewater plants.



(3) The length and angle of shadows vary throughout the day.



Science

Exam

6

1 A) Choose the correct answer:

● The Earth on its axis every

(a) revolves / 12 hours

(b) rotates / 24 hours

(c) revolves / month

(d) rotates / year

B) Answer the following:

(1) What causes the cycle of day and night?



(2) Why do the Sun, planets, and stars appear to move across the sky (the apparent motion of the Sun)?



(3) What keeps the moon in orbit around Earth? What keeps it from crashing into Earth?



(4)  What other activities demonstrate gravity's downward pull?



2 A) Choose the correct answer:

- The Moon orbiting Earth, and the reflection of sunlight on it, leads to the formation of.....
(a) constellation (b) circular motion
(c) planets attraction (d) Moon phases

B) Answer the following:

- (1) Predict what would happen to the gravitational force between Earth and the moon if the moon were twice as far from Earth.
▶
- (2)  Who discovered that the sun is the center of the solar system?
▶
- (3) How does gravity affect the movement of objects? ▶
- (4)  Why is it important for planetarium directors to know about stars, constellations, and other bodies in the universe?
▶

3 A) Choose the correct answer:

- (1)  Fresh water that seeps under Earth's surface through a layer of porous rock is
(a) Mediterranean sea water (b) Bahr Al Baqar plant water
(c) Assal lake (d) groundwater
- (2) are part of the geosphere.
(a) Plants (b) Rocks (c) Gases (d) Water bodies

B) Answer the following:

- (1) Where does the light we see when observing the moon come from?
▶
- (2) What are some of the shapes we see when observing the moon?
▶
- (3) Explain what causes the moon to appear to have different shapes or phases.
▶

4 A) Choose the correct answer:

- (1)  An area of land where water flows in a specific path from a high altitude area to a lower altitude area is
(a) river (b) sea (c) lake (d) ocean

- (2)  It results from biosphere and atmosphere interaction
- (a) availability of oxygen gas (b) soil fertility
(c) increased pollution (d) photosynthesis

B) Answer the following:

- (1) The stability of objects on the Earth's surface. ►
- (2)  What makes the Moon look bright in the sky? ►
- (3) Why does the appearance of the night sky change in different seasons?
►

Science

Exam

7

1 A) Choose the correct answer:

- An example of a saltwater ecosystem is
- (a) Nile River (b) Assal lake (c) a glacier (d) Nasser Lake

B) Answer the following:

- (1)  How might knowledge of the constellations' locations in the night sky help someone who is lost?
►
- (2)  Why is there no moon appears in the last day of the lunar month?
►
- (3) Why was it important to keep the orientation and location of the sundial the same each day?
►
- (4)  What are two factors that affect the length and angle of a shadow?
►

2 A) Choose the correct answer:

- Planets continue revolving around the sun in fixed orbits under the effect of
- (a) Earth's gravity (b) Sun's gravity (c) Planet's gravity (d) Moon's gravity

B) Answer the following:

- (1) Explain the difference between conservation, preservation, and sustainability of natural resources.
►
- (2) Describe the characteristics of saltwater ecosystems and freshwater ecosystems. Give examples of living organisms found in each.
►

C) Give a reason for each of the following:

- (1) The occurrence of the Moon phases. ▶
- (2) The atmosphere is a protective layer that surrounds Earth.
▶

3 A) Choose the correct answer:

- (1) From the materials that are attracted to the magnet
(a) iron and nickel (b) aluminum and copper
(c) silver and gold (d) aluminum and silver
- (2) The sequence of day and night is due to
(a) revolution of the Moon around the Earth (b) revolution of the Earth around the sun
(c) rotation of the Moon around its axis (d) rotation of the Earth around its axis

B) Answer the following:

- (1) What is the importance of the gravitational force? ▶
- (2) 📖 Why dose the skydiver appear to be swimming in space? ▶
- (3) What makes the planets revolve in fixed orbits around the Sun?
▶

4 A) Choose the correct answer:

- (1) Pollution of seawater leads to
(a) pollution of the water of a tributary (b) pollution of the ocean's water
(c) pollution of water streams (d) wetland pollution
- (2) Wastewater engineers work in Egypt in
(a) Ras Mohamed Reserve (b) Qarun Lake
(c) Bahr El Baqar plant (d) electrical power plant

B) Answer the following:

- (1) Mention some of the tasks of sanitation engineers ▶
- (2) What is the result of the inclination of Earth on its axis? ▶
- (3) What is the evidence we get from the appearance of the Orion constellation in the sky?
▶

Science

Exam

8

1 A) Choose the correct answer:

- Moon seems to be lighted in the sky due to
 - (a) reflection of Earth's light on the Moon's surface
 - (b) reflection of the star's light on the Moon's surface
 - (c) reflection of sunlight on the Moon's surface
 - (d) self-lighting of the Moon at night

B) Answer the following:

- (1) Heat and light energies of the Sun result from
- (2) The illumination and the shining of the stars in the sky are evidence that
- (3)  "We must conserve and protect all natural resources from being drained."
Explain this phrase. ►
- (4) Mention two tools used to discover the universe and study the stars.
►

2 A) Choose the correct answer:

- The idea of a sundial depends on
 - (a) formation of shadows
 - (b) rotation of the object around its axis
 - (c) motion of the moon
 - (d) falling objects under the effect of gravity

B) Answer the following:

- (1)  What celestial bodies do we see? ►
- (2) What is meant by watershed? ►
- (3) Mention the factors that affect gravity between two objects.
►
- (4) Mention the factors affecting the gravity of Earth.
►

3 A) Determine:

- (1) The closest star to Earth. (.....)
- (2) The type of water in Lake Nasser. (.....)

B) Answer the following:

- (1) Two uses of water. ►

- (2) Two concerns related to freshwater. ►
- (3) What happens if there is no water on Earth?
►

4) A) Determine:

- (1) The fastest rotating planet on its axis in the Solar System. (.....)
- (2) An imaginary line passing through the North Pole to the South Pole of Earth. (.....)

B) Answer the following:

-  Look at the picture and mention its name and its function

-  Explain how the moon stays in a fixed orbit around the Earth.

- Explain how the Sun produces its heat and light.



Science

Exam

9

1 A) Complete the sentence:

- (1) The farthest planet on its axis in the solar system is
- (2) The object at rest needs to move.

B) What is the importance of:

- (1) The Hubble Telescope. 
- (2) The water filter. 
- (3) Telescopes 
- (4) Wastewater treatment plants. 

2 A) Choose the correct answer:

- The illuminated moon in the shape of a circle is called
- (a) first quarter (b) first crescent (c) full moon (d) gibbous

B) What is meant by:

- (1) Hydrosphere? 
- (2) Constellation? 

C) What is the importance of the moon's gravity on Earth?

D) What is one of the largest water treatment plants in the world?



3 A) Put (✓) or (X):

- (1) Stars are solid objects made up of rocks. ()
- (2) The force of a magnet is always attractive only. ()

B) Explain:

- (1) What is the difference between the types of water in seas and streams?



- (2) What was the importance of the sundial in ancient times?



- (3) Compare the between oceans and streams.

OCEANS	STREAMS

4 A) Correct the underlined words:

- (1) The revolution of Earth around the Sun causes the cycle of day and night. ()
- (2) The force that opposes the object's motion in the air is called magnetism. ()

B) Mention the Earth's interacting systems in the following:

- (1) Rain water helps plants grow?



- (2) The breaking down of rocks by the effect of running water.



- (3) The photosynthesis process. 

Science

Exam

10

1 A) Complete the sentence:

- (1) Earth pulls the Moon, keeping it in around Earth.
- (2) The side of Earth that faces the Sun has

B) Define:

- (1) wastewater: 
- (2) A lake: 
- (3) Galaxy: 
- (4) Atmosphere: 

2 A) Choose the correct answer:

- The force of pulls objects toward the center of Earth.
(a) wind (b) air resistance (c) push (d) gravity

B) What happens if.....?

- (1) The distance between Earth and the Moon doubled compared to its gravitational force.
▶
- (2) The Earth stopped rotating on its axis.
▶
- (3) There is no gravity on Earth. ▶
- (4) The Earth revolves around the Sun. ▶

3 A) Cross out the odd word and give a reason:

- (1) Friction – air resistance – gravity – light energy ▶
- (2) moons – planets – plants – stars ▶
- (3) Iron – Copper – Nickel – Cobalt ▶

B) What is meant by:

- (1) ocean currents. ▶
- (2) Shallow areas. ▶
- (3) Wetland. ▶

4 A) Write the scientific term:

- (1) Change of water from a liquid state into a gaseous state. (.....)
- (2) A water body that is surrounded by land. (.....)
- (3) An elliptical path in which the planet revolves around the Sun. (.....)
- (4) The force that causes objects to fall. (.....)

B) Answer the following:

- (1) Classify the following by using suitable Earth's spheres:
(Geosphere – Atmosphere – Biosphere – Hydrosphere)
- (a) Water in the river. ▶
- (b) Minerals in rocks ▶

Model Answer
Exam (1)

- 1 **A)** Still
B) (1) They test the treated water to make sure it is safe before it is used by humans.
(2) Because it can be renewed through the water cycle.
(3) Because all plants and animals need water for survival.
C) because they exist between any two objects and between all celestial bodies in the solar system.
- 2 **A)** water pollution
B) (1) marine (or ocean) - saltwater
(2) Streams that flow into bigger rivers.
(3) A large area characterized by greenery, soil, climate, and wildlife that is distinguished from other biomes.
(4) An above-ground land area partially covered with water, such as swamps and ponds.
- 3 **A)** (1) ☒ (2) ☒
B) (1) Overfishing is an example of depletion and as a result the fish will become more scarce.
(2) Plants absorbing water from the soil, or animals drinking water from a lake or river.
(3) - Saltwater: Indian Ocean, Red Sea, Bardawel Lake.
- Freshwater: groundwater, Amazon River, rains.
- 4 **A)** (1) Rivers - Rivers are freshwater.
(2) Salamanders - Salamanders live in freshwater ponds.
B) (1) It leads to deforestation and destroying of renewable resources.
(2) The object has a mass of 80 kilograms.
(3) Turn off the faucet while brushing your teeth.

Exam (2)

- 1 **A)** erosion - lakes
B) (1) Because it has a high concentration of salt.
(2) Because they can grow back or be reproduced.
(3) Because Earth's shape is considered a sphere.
(4) Ocean water circulates around the world in patterns.
- 2 **A)** a
B) (1) it's the upward flow of wind that can pull skydivers backward and slow their fall to Earth. It is a force that opposes motion through the air.
(2) Sustainability means using a resource in a way that does not negatively affect its future availability. Factors that affect it are overconsumption of resources and pollution.
(3) Preservation of natural resources means restricting access to or use of a resource.
(4) Establishing protected areas of land, such as Ras Mohammed Protectorate.
- 3 **A)** (1) restricting. (2) A river.
B) (1) They design, make tools and plan way that provides us with clean water.
(2) Scarcity of freshwater resources and it's poor quality.
(3) Catfish and salmon.
- 4 **A)** (1) ☒ (2) ☒
B) (1) the climate and daylight patterns and seasons would become uniform throughout the year.
(2) The water will run out and the wells will dry up.
C) This is an interaction between the biosphere (the body) and the Geosphere (the soil).

Exam (3)

- 1 **A)** photosynthesis and grow
B) (1) It leads to thousands of deaths each year and puts many fish and amphibians at risk of extinction.
(2) The level of water in streams and rivers will drop, and they may dry up (drought).
(3) There will be flooding and damaging buildings and deaths.
(4) The grass would be gone, and the cows would starve. This is an unsustainable situation.
- 2 **A)** c
B) (1) Estuary: It is where a river meets the ocean or sea.
(2) Abyssal zone: It is the deepest area of the ocean that sunlight cannot reach.

(3) Watershed: It is an area of land where all the water that flows across it drains downhill to a common location.

- C)** A force of attraction between objects that pulls them toward each other.
- 3 **A)** (1) Biosphere and Geosphere.
(2) Hydrosphere and Geosphere.
B) (1) Because it is too salty for most aquatic animals
(2) Because sunlight cannot reach it, and plants need sunlight for photosynthesis.
(3) Due to it's revolution around Earth in elliptical orbit.
- 4 **A)** (1) ☒ (2) ☒
B) (1) Because they rely on freshwater to live, and breath throw skin from water, so polluted water can kill them or damage their habitat.
(2) Because it is recycled and reused through the water cycle, even if its state changes from liquid to solid to gas.
(3) Close faucets while brushing our teeth.

Exam (4)

- 1 **A)** 96.5%
B) (1) It forms an estuary, which is an ecosystem home to thousands of plants and animals.
(2) The total amount of water on Earth does not change.
(3) Friction.
C) The force that opposes motion of objects or slows it down.
- 2 **A)** a
B) (1) Because it is much nearer to Earth than other stars.
(2) Because most of it is frozen in glaciers or is groundwater that is not easily accessible.
(3) To protect resources so they can't be drained or used up.
(4) Because ponds are freshwater ecosystems, and jellyfish live in saltwater ecosystems.
- 3 **A)** (1) Lake. (2) River.
B) (1) Intertidal zones: The area along the coast that is underwater at high tide and exposed during low tide. (2) Ponds: A freshwater ecosystem where water is still and may be present all year or dry up in summer.
(3) Wetland: An above-ground land area partially covered with water, such as swamps and ponds.
- 4 **A)** (1) Tributaries. (2) Air resistance.
B) (1) This occurs due to the gravitational pull of the moon on Earth's water.
(2) It ensures that we use resources in a way that does not negatively affect their availability.
(3) Reasons include too little rainfall for long time.

Exam (5)

- 1 **A)** soil
B) (1) Pollution can harm or kill the organisms that live in the water and may affect other water sources downstream.
(2) No, it does not change, even if its state changes.
(3) As whales live only in saltwater ecosystems.
(4) - Animals drinking water. - Fish living in rivers and oceans.
- Plants absorbing water.
- 2 **A)** b
B) (1) The clothes peg will hit the ground first because air resistance slows the paper more than the peg because of it's low weight.
(2) It forms a lake.
(3) It changes from liquid to solid (ice).
(4) The fish become scarce, and fishing opportunities decrease after that.
- 3 **A)** (1) ☒ (2) ☒
B) (1) Using of natural resources wisely so there will be enough when we need them.
(2) A glacier: A large body of ice that is part of the hydrosphere.
(3) Lithosphere: (Geosphere) that contains things such as rocks and landforms.
- 4 **A)** (1) Salty lake: Lake Assal in Djibouti or Lake Bardawel in Egypt.
(2) Biome: Deserts, forests, or wetlands.
B) (1) So they are available for future generations.
(2) To treat it so it can be used again for other purposes.

(3) Because the sun appears to change its site throughout the day.

Exam (6)

- 1 **A)** b
B) (1) Earth's rotation on its axis.
(2) Because Earth rotates from west to east, making it seem as if the sun and the stars are moving across the sky.
(3) Earth's gravity keeps the Moon in orbit. The Moon's sideways motions keeps it from crashing into Earth.
(4) Water flowing down a river, and a skydiver falling toward Earth.
- 2 **A)** d
B) (1) The gravitational force would be weaker.
(2) Nicolaus Copernicus.
(3) Gravity pulls objects toward the bigger objects.
(4) So they can educate people about space and operate the planetarium effectively.
- 3 **A)** (1) d (2) b
B) (1) The sun. The moon reflects sunlight.
(2) Crescent, quarter, gibbous, and full moon.
(3) The moon's revolution around Earth changes how much of its sunlit side we can see.
- 4 **A)** (1) a (2) d
B) (1) Due to gravity that pulls things downward.
(2) It reflects the light of the sun.
(3) Because as Earth revolves around the sun, we are looking in a different direction in space at night.

Exam (7)

- 1 **A)** b
B) (1) They can use the stars to find direction, like using the North Star to find north.
(2) Because it's new moon where all the moon's face that facing earth becomes completely dark.
(3) If it is turned, the shadow will tell the wrong time.
(4) The position of the sun in the sky and the time of day.
- 2 **A)** b
B) (1) Conservation: It involves less using resources so they are not wasted.
- Preservation: Restricting access to or use of a resource.
- Sustainability: Using a resource wisely that does not negatively affect the future availability.
(2) Saltwater: is a large connected water bodies that is salty like seas and oceans.
Freshwater: water can be used by humans like still water (ponds and lakes) or flowing (rivers and streams).
C) (1) Because the moon revolves around Earth, changing how much of its sunlit side we see.
(2) It lets some light waves through and blocks others, acting like a protective blanket.
- 3 **A)** (1) a (2) d
B) (1) It holds our solar system together, keeps planets in orbit, and keeps us on the ground.
(2) Because the skydiver increases air resistance when opening the parachute.
(3) The sun's powerful gravitational force.
- 4 **A)** (1) b (2) c
B) (1) Designing and making tools that provide clean water. Monitoring water quality and testing treated water to ensure it is safe.
(2) Differences in sunrise time and the sunset time, day after another.
(3) It's evidence of the rotation of Earth around its axis, and the revolution of Earth around the sun.

Exam (8)

- 1 **A)** c
B) (1) the reaction of gases (hydrogen and helium) inside the sun.
(2) they are composed of extremely hot gases.
(3) We need to use resources responsibly so they are not used up and will be available for future generations.
(4) Telescopes (like the Hubble Space Telescope) and binoculars (like Galileo's binoculars).

- 2 **A)** a
B) (1) Galaxies, Stars, Planets and Moons.
(2) An area of land where all the water that flows across it drains downhill to a common location.
(3) The mass of the objects and the distance between them.
(4) The mass of Earth and the distance from its center.
- 3 **A)** (1) The sun. (2) Fresh water.
B) (1) Drinking and irrigation (or generating electricity, cooking, etc.).
(2) 1- the scarcity of fresh water,
2- the poor quality of water.
(3) All living organisms would die, and there would be no life on the Earth's surface.
- 4 **A)** (1) Jupiter. (2) The axis.
B) (1) A water filter. Its function is to turn dirty water into clean water.
(2) Earth's gravity pulls the moon toward it, and the moon's sideways motion keeps in a stable orbit.
(3) The sun is made mostly of hydrogen and helium. that burns, and release huge amounts of light and heat energy.

Exam (9)

- 1 **A)** (1) Neptune. (2) a force.
B) (1) It helps us take a closer look at the surface of the moon, asteroids, planets, and stars.
(2) It can turn dirty water into clean water.
(3) They help us see distant objects in space in greater detail.
(4) They treat used water so it can be used again for other purposes.
- 2 **A)** c
B) (1) The system that contains all water on Earth, such as oceans, seas, rivers, and groundwater.
(2) A group of stars that looks like a certain shape in the sky.
C) It causes tides (high tide and low tide).
D) The Bahr Al Baqar wastewater treatment plant in Egypt.
- 3 **A)** (1) X (2) X
B) (1) Seas contain saltwater, while streams contain freshwater.
(2) It was used to tell time by tracking the movement of shadows.
(3) - Compare the table between oceans and streams.
- Oceans: Large bodies of saltwater that are connected.
- Streams: Small, flowing bodies of freshwater.
- 4 **A)** (1) Correction: rotation. (2) Correction: air resistance.
B) (1) Biosphere and Hydrosphere.
(2) Hydrosphere and Geosphere.
(3) Biosphere and Atmosphere.

Exam (10)

- 1 **A)** (1) orbit. (2) day.
B) (1) - Wastewater: Water that has already been used.
(2) Lake: A large body of water surrounded by land. Most lakes contain freshwater.
(3) Galaxy: A large system of stars, gas, and planets.
(4) Atmosphere: The system that contains all the gases that surround Earth.
- 2 **A)** d
B) (1) The gravitational force would decrease
(2) There would be no day or night.
(3) Objects would not be held to the ground and The moon would not orbit Earth.
(4) It causes the seasons and the apparent movement of the sun and stars.
- 3 **A)** (1) Light energy, It's not a force.
(2) Plants, It's not a celestial body.
(3) Copper is the only one that is not attracted to a magnet.
B) (1) Patterns in which ocean water circulates the world.
(2) the area along the coast that is underwater at high tide and exposed during low tide.
(3) Wetland: An above-ground land area partially covered with water, such as swamps and ponds.
- 4 **A)** (1) Evaporation. (2) Lake. (3) Orbit. (4) Gravity.
B) (1) Classify the following by using suitable Earth's spheres:
- Water in the river: Hydrosphere.
- Minerals in rocks: Geosphere.

حمل الآن

مجانا وحصريا

امتحانات رقم (5)

الترم الثاني



1 Cairo – Nasr City Directorate

Q1. (A) Choose the correct answer:

- 1 The hydrosphere includes all the following items, except
 a. oceans b. rivers c. molten rocks d. groundwater
- 2 The basic liquid matter which is needed by humans, animals, and plants to survive is
 a. milk b. water c. oil d. alcohol
- 3 Magnetism is a kind of force.
 a. attraction only b. repulsion only c. visible d. invisible
- 4 The day and night phenomenon occurs due to the rotation of the Earth around
 a. the Sun b. its axis c. the moon d. the solar system

(B) Give a reason for: Earth's gravity is greater than the moon's gravity.

Q2. (A) Put (✓) or (x):

- 1 Earth's systems don't interact with each other. ()
- 2 The high quality of fresh water leads to death of marine organisms that live in it. ()
- 3 The Sun revolves around the Earth. ()
- 4 The sunrise and sunset occur at the same time every day. ()

(B) Write the scientific term:

- 1 It is a phenomenon that takes place in oceans and seas due to the gravity of the moon. (.....)

Q3. (A) Correct the underlined words:

- 1 The center of the solar system is the Earth. (.....)
- 2 The Sun is a planet that can give out light. (.....)
- 3 During the water cycle in nature, water evaporates into water vapor, forming rains. (.....)
- 4 Shallow areas of oceans don't receive sunlight. (.....)

(B) Cross out the odd word:

- 1 Crescent – Full Moon – Shadow – Gibbous (.....)

2

Cairo Governorate – Heliopolis Directorate

Q1. (A) Choose the correct answer:

1. is/are part(s) of the hydrosphere.
 a. Water b. Air c. Rocks d. Plants
2. Among the sources of fresh water are
 a. oceans b. seas c. rivers d. salty lakes
3. Gravity makes the moon revolve around
 a. the Sun b. the Earth c. itself d. another moon
4. Day and night are formed due to the rotation of the Earth around
 a. the Sun b. its axis
 c. the moon d. the solar system

B) Give a reason for:

1. The atmosphere is very important for plants.

Q2. (A) Put (✓) or (x):

1. Some animals and plants live in water. ()
2. Dams can hold water behind them. ()
3. Tides are affected by the gravity of the moon. ()
4. The Sun rises in the west. ()

(B) What happens if: People don't conserve fresh water?

Q3. (A) Cross out the odd word:

1. Tree – Birds – Girl – Rocks ()
2. Oxygen – Nitrogen – Carbon dioxide – Water ()
3. Air resistance – Friction – Magnetism – The Sun ()
4. First Crescent – New Moon – Full Moon – Earth ()

(B) Write the scientific term:

It is the breakdown of rocks by wind or water. ()

3

Giza Governorate – Osim Directorate

Q1. (A) Put (✓) or (x):

- 1 Salt water represents 96.5 % of the water on Earth. ()
- 2 Rivers and streams are flowing bodies of fresh water. ()
- 3 The magnet can exert a pulling force only. ()
- 4 Earth pulls objects towards its moon. ()

(B) Give a reason for: The phenomenon of day and night occurs.

.....

Q2. (A) Choose the correct answer:

- 1 Mountains and valleys are parts of the
 a. biosphere b. atmosphere c. geosphere d. hydrosphere
- 2 are formed when water collects in low-lying areas.
 a. Seas b. Lakes c. Rivers d. Oceans
- 3 is considered a type of friction force.
 a. Air resistance b. Gravity c. Magnetism d. Electricity
- 4 All the following materials can be used to filter wastewater in a simple water filter, except
 a. cotton b. sand c. wood d. charcoal

(B) Cross out the odd word: Stream – Ponds – Rocks – Rivers(.....)

Q3. (A) Use the words between the brackets to complete the following sentences:

(fresh – biosphere – solar system – an estuary)

- 1 We must take a quick shower to conserve water.
- 2 When a river meets a sea, is formed.
- 3 The contains the Sun and eight planets revolving around it.
- 4 The is the system that includes all living organisms on Earth.

(B) What happens if: Half of the Earth faces the Sun?

.....

4 Giza Governorate – 6th October Directorate

Q1. (A) Choose the correct answer:

1. All the following materials are attracted to the magnet, except
 a. iron b. nickel c. wood d. cobalt
2. When a river water meets a sea, is formed.
 a. a lake b. a wetland c. an estuary d. an ocean
3. Clothes are made from plants, such as
 a. corn b. cotton c. tree d. bean
4. Air resistance is a type of force.
 a. friction b. gravity c. repulsion d. pulling

(B) Give a reason for:

1. The moon is a dark body, but we see it shiny at night.

Q2. (A) Put (✓) or (x):

1. The frozen water on Earth is a part of the geosphere. ()
2. Jupiter is the fastest planet that rotates on its axis. ()
3. Salamanders and frogs live in streams. ()
4. Without the gravity of the Sun, the planets would float off into space. ()

(B) What happens if: The Earth rotates on its axis?

Q3. (A) Correct the underlined words:

1. A rat that digs a burrow in the soil represents an interaction between the biosphere and the hydrosphere. (.....)
2. Stars are made up of hot liquids. (.....)
3. The gravity of the Sun affects the ocean tides. (.....)
4. The type of water in rivers is salty water. (.....)

(B) Cross out the odd word:

1. Crescent – Full Moon – Earth – Gibbous (.....)

5 Alexandria Governorate – East Directorate

Q1. (A) Choose the correct answer:

- 1 The phase of the moon that appears on the last day of the lunar month is the phase.
 a. Crescent b. New Moon c. Full Moon d. Gibbous
- 2 A/An is a large body of water surrounded by land.
 a. lake b. estuary c. stream d. pond
- 3 The gravitational force of an object as its mass decreases.
 a. equals zero b. decreases c. increases d. doesn't change
- 4 The constellations appear at positions in the sky during the year.
 a. the same b. different c. small d. center

(B) What happens if: The river water meets the sea water?

Q2. (A) Complete the following sentences:

- 1 As the distance between the moon and Earth increases, the attraction of gravity between both of them
- 2 Wastewater engineers design ways to protect a community from
- 3 A parachute in the air is affected by some forces, such as gravity and force.
- 4 Most of the fresh water on Earth is found in the form of frozen water called

(B) Give a reason for: The stars appear bright in the sky.

Q3. Write the scientific term:

- 1 It is a force that slows down moving objects and opposes their motion. (.....)
- 2 It is a dark celestial body that revolves around the Earth and reflects the sunlight. (.....)
- 3 It is a pulling force that causes the objects to fall toward the Earth's surface. (.....)
- 4 It is a phenomenon that occurs when the Earth rotates on its axis. (.....)
- 5 It is a system that is formed of the Sun and eight planets revolving around it. (.....)

6 Alexandria Governorate – Montazah 1 Directorate

Q1. (A) Choose the correct answer:

- 1 A table standing on the ground needs to move.
 a. sunlight b. mass c. force d. air
- 2 Which of the following is a part of the biosphere?
 a. Ice b. Clouds c. Water d. Animals
- 3 A group of stars that makes a certain shape in the sky is called
 a. solar system b. universe c. constellation d. ecosystem
- 4 are formed when water collects in low-lying areas.
 a. Seas b. Lakes c. Rivers d. Oceans

(B) Give a reason for: Scientists tend to preserve fresh water on Earth.

Q2. (A) Put (✓) or (X):

- 1 Gravity pulls objects towards the center of the Earth. ()
- 2 A river flows from an area of a lower place to an area of a higher place. ()
- 3 Earth rotates on its axis in a clockwise direction. ()
- 4 Dams can be used to filter polluted water to be used again. ()

(B) What happens if: Plants can't get carbon dioxide gas from the air?

Q3. (A) Use the words between the brackets to complete the following sentences:

(seas - pollutants - east - Earth - Sun)

- 1 The moon moves around the due to gravity.
- 2 Starfish and Moses fish live in
- 3 In the early morning, the Sun would be at the direction in the sky.
- 4 Wastewater engineers can test the quality of water by checking the amount of in water.

(B) Write the scientific term:

- 1 It is a force that pulls objects down toward the Earth's center. (.....)

7 Alexandria Governorate – Montazah 2 Directorate

Q1. (A) Use the words between the brackets to complete the following sentences:

(gravity – biosphere – lakes – rivers)

- 1 Microorganisms are parts of the
- 2 Among the sources of fresh water are
- 3 The force of keeps the planets revolving around the sun.
- 4 are large bodies of water surrounded by land.

(B) Give a reason for:

- The moon is a dark body, but we see it shiny at night.
-

Q2. (A) Put (✓) or (x):

- 1 96.5 % of water on Earth is salt water. ()
- 2 The magnet can exert a pulling force only. ()
- 3 An estuary is formed when salt water mixes with fresh water. ()
- 4 The Earth's revolution around the Sun causes day and night. ()

(B) Cross out the odd word: Catfish – Starfish – Kelp – Dolphin(.....)

Q3. (A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Moses fish	a. can be used in making plastics.
2 Salmon	b. lives in fresh water.
3 Oil prouducts	c. lives in salt water.
4 Cotton	d. can be used in making cans.
	e. can be used in making clothes.
1 2 3 4	

(B) Write the scientific term:

- It is a pull or a push applied to an object. (.....)

8 Alexandria Governorate – Middle Directorate

Q1. (A) Put (✓) or (x):

- 1 The Sun is the biggest star in the universe. ()
- 2 The water of tributaries flows directly into the seas or oceans. ()
- 3 Constellations have similar shapes in the sky. ()
- 4 You must decrease the time of taking a shower to conserve fresh water. ()

(B) Give a reason for: The moon is a dark body but we see it shiny at night.

Q2. (A) Choose the correct answer:

- 1 The presence of sharks in oceans represents an interaction between the and the
 a. geosphere – biosphere b. atmosphere – hydrosphere
 c. hydrosphere – biosphere d. geosphere – atmosphere
- 2 Magnetism is a kind of force(s).
 a. repulsion only b. attraction only
 c. repulsion and attraction d. visible and invisible
- 3 The amount of salt water is the amount of fresh water on Earth.
 a. greater than b. smaller than c. equal to d. half
- 4 Friction force the movement of objects.
 a. slows down b. speeds up c. increases d. doesn't affect

(B) What happens if: The quality of fresh water becomes poor?

Q3. (A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 The Sun	a. contains animals and plants.
2 Geosphere	b. is the center of the solar system.
3 Force	c. contains rocks and sand.
4 Biosphere	d. is a pull or a push that affects objects.
1 2 3 4	

(B) Write the scientific term:

It is a pulling force that causes objects to fall down toward the Earth.(.....)

9 Sharkia Governorate – Educational Directorate

Q1. (A) Complete the following sentences:

- 1 The first moon phase is
- 2 The percentage of salty water is about % of the hydrosphere.
- 3 Rocks and mountains are from the Earth's system.
- 4 Planets revolve around the Sun under the effect of

(B) Give a reason for: The moon's gravity is less than the Earth's gravity.

Q2. (A) Put (✓) or (x):

- 1 Living organisms need water to drink. ()
- 2 The day and night phenomenon occurs due to the revolution of Earth around the Sun. ()
- 3 From the risks that threaten the world are large quantities and poor quality of water. ()
- 4 Gravity depends on an object's mass and distance. ()

(B) What happens if: Half of the Earth faces the Sun?

Q3. (A) Choose the correct answer:

- 1 A force of causes the slow down of an object's motion.
a. gravity b. friction c. magnetism
- 2 All the following belong to the geosphere, except
a. minerals b. rocks c. helium
- 3 If the distance between the Earth and the moon decreases, the gravity between them
a. decreases b. increases c. doesn't change
- 4 The place where a river meets a sea is called
a. a river b. an ocean c. an estuary

(B) From the opposite figure, complete:

- 1 This figure represents constellation
- 2 This constellation consists of a group of



10 Dakahlia Governorate – Educational Directorate

Q1. (A) Choose the correct answer:

1. _____ is an example of a saltwater ecosystem.
 a. The Nile River b. Assal lake c. A glacier d. Nasser lake
2. From the materials that are attracted to the magnet are
 a. iron and nickel b. aluminum and copper
 c. copper and silver d. silver and gold
3. Which of the following is a part of the geosphere ?
 a. Rocks b. Clouds c. Water d. Animals
4. Planets continue revolving around the Sun in fixed orbits under the effect of
 a. Earth's gravity b. Mars's gravity
 c. the Sun's gravity d. the moon's gravity

(B) Give a reason for: The moon has different phases during the lunar month.

Q2. (A) Put (✓) or (x):

1. The Sun is the biggest star in the universe. ()
2. The sequence of day and night is due to the rotation of Earth around its axis. ()
3. Photosynthesis results from an interaction between the biosphere and the atmosphere. ()
4. Water that covers most of the Earth's surface is fresh water in rivers. ()

(B) Which body does the Earth attract more: one with a mass of 100 kg or one with a mass of 400 kg, and why?

Q3. (A) Complete the following sentences:

1. The force which is originated between two touching surfaces and slows the motion is called
2. The illuminated moon in the shape of a circle is called
3. 96.5% of the Earth's water is water.
4. A group of plants and animals which live together in a large area characterized by its climate is called

(B) What happens to: A tree's shadow in the morning and at noon?

11 Qalioubia Governorate – Educational Directorate

Q1. (A) Choose the correct answer:

- 1 Rocks are broken down into smaller particles during the process.
a. photosynthesis b. weathering c. erosion d. respiration
- 2 is a land partially covered with water.
a. An ocean b. A wetland c. An estuary d. A lake
- 3 The gravity of affects the ocean tides on the Earth.
a. the Sun b. the moon c. Mars d. Jupiter
- 4 The day and night phenomenon occurs due to the rotation of the Earth around
a. the Sun b. its axis c. the moon d. the solar system

(B) Classify the following to revolution or rotation:

- 1 It is the spinning of an object around an axis. (.....)
- 2 It is the spinning of an object around another object. (.....)

Q2. (A) Complete the following sentences:

- 1 Water is renewed in nature through
- 2 When a stream or a river receives more rainfall, this leads to
- 3 The gravity of an object increases as its increases.
- 4 The cycle of happens due to Earth's revolution around the Sun.

(B) Write the scientific term:

- 1 It is an area of land where water from different sources flows towards a common location. (.....)

Q3. (A) Put (✓) or (x):

- 1 Most of the fresh water on the Earth is found as a liquid or a running water. ()
- 2 Recycling wastewater means removing waste materials from it. ()
- 3 Gravity only affects objects in motion. ()
- 4 In the Full Moon phase, we can't see the moon in the sky. ()

(B) Cross out the odd word:

- 1 At noon – In the morning – In the afternoon – Longer shadow (.....)

12 Beheira Governorate – Educational Directorate

Q1. (A) Choose the correct answer:

- 1 Which of the following is a part of the biosphere?
 a. Water b. Clouds c. Animals
- 2 are formed when water collects in low-lying areas.
 a. Seas b. Lakes c. Rivers
- 3 The center of the solar system is the
 a. Sun b. Earth c. moon
- 4 The force that causes skydivers to move downward is called
 a. gravity of Earth b. gravity of the moon
 c. gravity of the Sun

(B) What happens to: The planets if the Sun has no gravity?

Q2. (A) Complete the following sentence:

- 1 In the solar system, all planets revolve in fixed paths called
- 2 is the system that includes all landforms on the Earth's surface, such as mountains and valleys.
- 3 The wide space that contains celestial objects is called
- 4 Earth rotates around itself every hours.

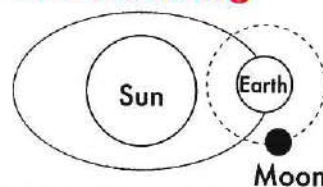
(B) Give a reason for: There is no fish or aquatic animals living in Assal lake?

Q3. (A) Put (✓) or (x):

- 1 Galileo binoculars help scientists see distant objects in space with more details. ()
- 2 A watershed is an area of land where all the water that falls within it flows toward a single place. ()
- 3 Air resistance is a type of friction force that can be seen easily. ()
- 4 Earth's systems are divided into three systems: atmosphere, biosphere, and hydrosphere. ()

(B) Look at the figure below, then complete the following sentences:

- 1 has the largest mass.
- 2 has the lowest force of gravity.



13 Kafr El-Shiekh Governorate – Educational Directorate

Q1. (A) Choose the correct answer:

- 1 A/An is a building with a dome ceiling and is used to see images of some celestial bodies.
 a. telescope b. planetarium c. constellation d. ecosystem
- 2 All the following materials are attracted to the magnet, except
 a. iron b. nickel c. wood d. cobalt
- 3 belong to the biosphere in an ocean ecosystem.
 a. Salamanders b. Kelps c. Mountains d. Plains
- 4 When wind blows the seeds of plants, there's an interaction between the biosphere and the
 a. atmosphere b. lithosphere c. geosphere d. hydrosphere

(B) Write the scientific term:

- It is a group of stars, planets, and gases held together by gravity.
 (.....)

Q2. (A) Put (✓) or (x):

- 1 Earth rotates on its axis slower than Jupiter. ()
- 2 The moon appears in the New Moon, when Earth is between the moon and the Sun. ()
- 3 Air resistance speeds up a falling parachute downward. ()
- 4 Resources sustainability isn't affected by overpopulation. ()

(B) Give a reason for: The four seasons cycle occurs.

Q3. (A) Use the words between the brackets to complete the following sentences:

(shortest – high – a sea – less than – an estuary – more than)

- 1 The gravity of the moon is the gravity of the Earth.
- 2 The amount of frozen fresh water is the liquid fresh water on Earth.
- 3 The flow of a river ends when it meets, where is formed.
- 4 At noon, the Sun is and most directly above us in the sky, so it forms the shadow.

(B) What happens when: Water collects in a low-lying area?

14 Damietta Governorate – Educational Directorate

Q1. (A) Choose the correct answer:

- 1 The fastest planet that rotates on its axis in the solar system is
 a. Earth b. Jupiter c. the moon d. the Sun
- 2 Mountains and valleys are parts of the
 a. biosphere b. atmosphere c. geosphere d. hydrosphere
- 3 From the materials which are attracted to the magnet are
 a. iron and nickel b. aluminum and copper
 c. copper and silver d. silver and gold
- 4 Seas and oceans water meet rivers water at
 a. streams b. groundwater c. estuaries d. watersheds

(B) Give a reason for: The phenomenon of day and night occurs.

Q2. (A) Write the scientific term:

- 1 It is a group of stars that forms a pattern in the sky. (.....)
- 2 It is the action of controlling or managing human access to natural resources or using them. (.....)
- 3 It is an imaginary line passing through the two poles of Earth. (.....)
- 4 They are bodies of water that surround the continents. (.....)

(B) What happens to: The ball when it is thrown up into the air?

Q3. (A) Correct the underlined words:

- 1 The moon phase at which the moon seems completely bright is Gibbous. (.....)
- 2 Some animals live in ponds, such as catfish and salmon. (.....)
- 3 The Earth revolves around the Sun in a rectangular shaped orbit. (.....)
- 4 Cotton, charcoal, and mud can be used in making a simple water filter. (.....)

(B) Complete the following statement by using these words:

(telescope – sundial – shadow)

The first time piece that was used to know the time is called a
 and it depends on the formation of a

15 Port Said Governorate – Educational Directorate

Q1. (A) Choose the correct answer:

- 1 Which of the following is part of the biosphere?
 a. Ice b. Clouds c. Animals d. Water
- 2 are parts of the geosphere.
 a. Plants b. Rocks c. Gases d. Bodies of water
- 3 We can see thousands of in the night sky, which give off light and heat.
 a. moons b. stars c. planets d. satellites
- 4 From the materials that are attracted to the magnet is
 a. iron b. copper c. silver d. gold

(B) Write the scientific term:

- It contains the Sun and eight planets revolving around it. (.....)

Q2. (A) Put (✓) or (x):

- 1 Rivers and streams are flowing freshwater bodies. ()
- 2 Fresh water represents 96.5% of the water on Earth. ()
- 3 All parts of the Earth receive sunlight at the same time. ()
- 4 Earth revolves around the Sun in a fixed path. ()

(B) Give a reason for: The moon is a dark body, but we see it shiny at night.

.....

Q3. (A) Complete the following sentences:

- 1 The water running across the land is an example of an interaction between the and the geosphere.
- 2 When a river water meets a sea, a/an is formed.
- 3 The Earth rotates on its axis once every hours.
- 4 Objects move down from a high place toward the ground due to the effect of

(B) What happens if: Earth doesn't rotate on its axis?

.....

حمل الآن

مجانا وحصريا

امتحانات رقم (6)

الترم الثاني



Model Exam  1 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة فى نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question :-

Complete the following statements:

- 1- Water represents the sphere of earth.
- 2- Organisms represent the sphere of earth.
- 3- Plants need water to do

Give Reasons for:

- 1- The importance of water for the life of living organisms

- 2- The stability of objects on the earth's surface.

Second Question :-

Complete the following statements:

- 1- The force that returns the ball after it is thrown upward is a force.
- 2- If the distance between earth and its moon increases the attraction force between them is
- 3- Magnetic is considered a force and force.

Write what the following statement refers to:

- 1- A group of stars form a certain shape in the sky. (.....)
- 2- The main engine of the water cycle in nature. (.....)

Third Question :-

Correct the underlined words:

1- Water turns from liquid to solid by heating. (.....)

2- Humans are part of the hydrosphere. (.....)

Read the following statements and then correct the wrong one:

1- The moon reflects light, so we see it illuminated in the sky.

2- The new moon is a phase of the moon in which the face of the moon facing Earth is fully illuminated.

What are the uses of water in our lives?

Choose the right answer:

1- The cycle of seasons during the year is due to Earth's revolution around ...

a) The moon b) the galaxy c) its axis d) Sun

Fourth Question: -

Correct the underlined words:

1- The moon gravitational force is greater than earth gravitational force. (.....)

2- Earth's gravity causes objects to move upward. (.....)

3- When anybody falls from a high place, it moves upwards. (.....)

What happens if:

1- The distance between Earth and the Moon doubled relative to the gravitational force between them.

Classify the following water sources according to their type:

1- Seas - ponds - streams.

Model Exam 2	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي (الاجابة فى نفس الورقة / صفحة واحدة)		

Answer each of the following questions

First Question : -

(A) : - put (√) or (X) : -

Complete the following statements:

- 1- Water turns from liquid to solid by
- 2- The ecosystem consists of and nonliving things.
- 3- Water turns from solid to liquid with

Give Reasons for:

- 1- The importance of water for the life of living organisms

- 2- The moon orbits Earth in a fixed orbit.

Second Question : -

Complete the following statements:

- 1- Gravity is considered a force.
- 2- If the distance between the moon and earth increases the gravitational force between them
- 3- As the of the body increase its gravity increases.

Write what the following statement refers to:

- 1- An area of land where water flows, collects from multiple sources, and moves in one direction towards a common location.
(.....)
- 2- Giant celestial bodies made up of superhot gases. (.....)

Third Question : - *

Correct the underlined words:

- 1- The total amount of water on the Earth is changing. (.....)
- 2- Plants need water to carry out the process of reproduction. (.....)
- 3- Water covers about 50% of the Earth's surface. (.....)

Read the following statements and then correct the wrong one:

- 1- The shapes of the moon vary during the lunar month.
- 2- The Moon revolves around Earth in a circular path.

Explain how water is considered a renewable resource?

.....

.....

=====

Fourth Question : - (A) : - Complete the following sentences: -

Correct the underlined words:

- 1- When the distance between two bodies increases, the force of attraction between them is increasing. (.....)
- 2- Gravitational force increases as the body is higher above the earth's surface. (.....)

What happens if:

- 1- The water changes from one state to another (relative to its total quantity)

.....

.....

What is the force that causes the pen to fall from your hand?

.....

.....

Choose the right answer:

- 1- All the following is true for gravitational force except.....
 - a) Objects are pulled toward the center.
 - b) Objects fall from above to the ground.
 - c) Visible force.
 - d) affects non-contact.

=====

.....

.....

Model Exam 3	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة في نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Complete the following statements:

- 1- A place that the water flows from an area of high altitude to an area with lower altitude in a definite path called as
- 2- Geosphere Includes
- 3- Rivers are part of the sphere

Give Reasons for:

- 1- The importance of water for the life of living organisms
- 2- The moon gravity is less than Earth gravity.

Second Question : -

Complete the following statements:

- 1- The gravitational force between two objects is decreased when the distance between them
- 2- forces that occurs between two touching surfaces and slow down the motion of the objects.
- 3- The force that returns ball to the ground after it has been thrown upward is

Write what the following statement refers to:

- 1- Frictional force that arises between the moving objects and air.
(.....)
- 2- An oval path in which the planets revolves around Sun.(.....)

Third Question : -

Correct the underlined words:

- 1- The water turns into ice by heating. (.....)
- 2- The total amount of water on the ground changes. (.....)

Read the following statements and then correct the wrong one:

- 1- A group of stars that look like it forms a pattern of a certain shape in the sky is called a constellation of stars.
- 2- The full moon appears at the beginning of the lunar month.

What are the different places where water exists?

Choose the right answer:

- 1- Earth orbit's around every 24 hours
- a) its axis b) Sun c) Moon d) Star

Fourth Question : -

Correct the underlined words:

- 1- Waterfalls pushed from the top of the river downwards due to air resistance. (.....)
- 2- Air resistance effects a body falling downward in the same direction as Earth's gravity. (.....)
- 3- The force that occurs between two touching surfaces and slows down movement is known as magnetism. (.....)

What happens if:

- 1- Throwing paper and clothes peg at the same time from a window on the third floor.

Answer the following: An object with a mass of 80 kilograms, and another object with a mass of 50 kilograms. Which of them is affected by more gravity if they are at the same height above Earth's surface?

Model Exam 4	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة في نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Complete the following statements:

- 1- During respiration of living organisms, an interaction occurs between the sphere and sphere
- 2- Rocks and minerals are components of the sphere
- 3- Rivers belong to the-sphere

Give Reasons for:

- 1- Water is considered a renewable resource.

- 2- Earth's gravity is greater than Moon gravity.

Second Question : -

Complete the following statements:

- 1- pull skydivers upward to slow down their fall downward the ground.
- 2- Revolving of planets around Sun is in fixed orbits due to the effect of
- 3- Magnets attract some metals, such as

Write what the following statement refers to:

- 1- Restricting access to or use of a resources. (.....)
- 2- It is a phenomenon that occurs when Earth rotates on its axis. (.....)

Third Question :-

Correct the underlined words:

- 1- Rivers are considered to be from the Earth's atmosphere.
(.....)
- 2- Water is transformed from solid to liquid by cooling. (.....)
- 3- Assal lake is a freshwater lake. (.....)

What happens if:

- 1- The water disappears from the earth's surface.
-
-

Mention the interacting Earth systems in the following sentences:

- 1- Earthworms live in the soil and make it their shelter.
-
- =====

Fourth Question :-

Correct the underlined words:

- 1- Magnets attract objects made of wood. (.....)
- 2- The force of gravity between two objects increases as the distance between them increases. (.....)

Read the following statements and then correct the wrong one:

- 1- Astronauts can be sent to explore distant stars.
- 2- Different constellations can be observed in summer more than in winter.

How long does Earth take to rotate around its axis ?

.....

Choose the right answer:

- 1- Magnets attract some metals such as
- | | |
|--------------------|------------------------|
| a) Iron and nickel | b) Aluminum and copper |
| c) Iron and gold | d) Copper and silver |
- =====

Model Exam 5	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة فى نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Complete the following statements:

- 1- Humans are part of the -sphere
- 2- live in the water streams.
- 3- The largest saltwater ecosystems is.....

Give Reasons for:

- 1- Plants are considered a renewable resource.

- 2- The Moon revolves around Earth in a fixed orbit.

Second Question : -

Complete the following statements:

- 1- reduces the speed of moving objects in the air.
- 2- Earth spins around and around
- 3- During Earth's rotation around its axis, half of Earth facing Sun is

Write what the following statement refers to:

- 1- Water found inside the cracks and pores of rocks under the earth's surface. (.....)
- 2- An imaginary line that passes through the North and the South Poles of Earth.(.....)

Third Question : -

Correct the underlined words:

- 1- Pond water is characterized by fast-flowing water. (.....)

2- Salamanders live in the oceans. (.....)

Read the following statements and then correct the wrong one.

1- Sun is the only star in the solar system.

2- The atmosphere allows some light waves to pass through it.

Mention the interacting Earth systems in the following sentences:

1- Animals depend on plants for their food.

Choose the right answer:

1- Earth looks like a sphere from the space ,because water covers most of the planet's surface .

a) Blue b) Green c) Yellow d) Red

Fourth Question : -

Correct the underlined words:

1- Earth is the center of motion in the solar system. (.....)

2- The magnet pulls the metal paper clips because of the gravitational force. (.....)

3- Earth rotates around its axis, which runs horizontally. (.....)

What happens if:

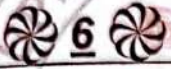
1. Earth stop rotating around on its axis.

Answer the following: Look at the corresponding shape, then choose:

a) The parachutist falls to the ground by force. (Light – Gravity)

b) The friction force between air and the balloon leads the Speed of landing. (Increasing - decreasing)



Model Exam 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة فى نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Complete the following statements:

- 1- Water that lies beneath Earth's surface and has been absorbed into Earth through a layer of porous rock is known as
- 2- The ponds have water
- 3- is considered one of the organisms that live in water streams.

Give Reasons for:

- 1- Scientists have used the word (sphere) to name each of the Earth systems

- 2- Sun is the center of motion in the solar system.

Second Question : -

Complete the following statements:

- 1- The imaginary line that passes through the north and the south pole of Earth is called
- 2- Cycle of day and night occurs due to Earth's rotation around.....
- 3- Earth rotatesclockwise around its vertical axis

Write what the following statement refers to:

- 1- The place where rivers meet seas or oceans and is considered an ecosystem and habitat for thousands of plants and animals.
(.....)
- 2- The fastest planet that rotates on its axis in the solar system.
(.....)

=====

Third Question :-

Correct the underlined words:

- 1- Freshwater ecosystems cover a large part of Earth. (.....)
- 2- 3.5% of the water on the Earth's surface is salty. (.....)
- 3- Water lilies live in seawater. (.....)

What happens if:

- 1- Water changes from state to state relative to its total quantity
-
-

Mention the interacting Earth systems in the following sentences:

- 1- Rocks and soil move when the water runs.
-
- =====

Fourth Question :-

Correct the underlined words:

- 1- The cycle of night and day occurs due to the rotation of Earth around Sun. (.....)
- 2- Mars is the fastest-rotating planet on its axis in the solar system. (.....)

What is meant by:

- 1- Friction
-
-

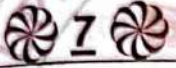
Read the following statements and then correct the wrong one:

- 1- Earth's rotation around Sun causes the cycle of night and day.
- 2- Meteorites and comets cannot be seen by the naked eye.

What is the force that stops the car when we use the brakes?

.....

=====

Model Exam 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة فى نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Complete the following statements:

1- Sun appears in the middle of the sky at.....

Write what the following statement refers:

1- Use a resource in a way that does not affect the future supply of it. (.....)

2- Water stored in the cracks and spaces through a layer of porous rock. (.....)

3- An imaginary line that passes through the north Pole and the South Pole of earth. (.....)

4- It appears on the last day of the lunar month the half of the moon facing Earth is completely dark. (.....)

Second Question : -

Complete the following statement in parentheses:

1- The moon reflects the light of falling on it.
(Earth - Jupiter - Mars - Sun)

Correct the underlined words:

1- One of the factor's affecting gravity is the size of the body.
(.....)

2- Deserts are examples of wetlands. (.....)

3- Sun is made up of superhot gases such as oxygen and nitrogen.
(.....)

4- When animals breathe air, a reaction occurs between the biosphere and Earth's geosphere. (.....)

Third Question : - Choose the correct answer:

1- Earth orbits around thus it makes the stars appear as if they are moving in the night sky.

a) Sun b) Moon c) Stars d) its Axis

2- The forces that arise between two objects in contact and lead to the slowing down of the movement are known as the forces of
a) Wind. b) Gravity. c) Friction. d) Magnetism.

Give reason for the following:

1- Plants are a renewable resource.

2- The moon's gravitational force is less than Earth's gravitational force.

3- Water is one of the most important natural resources on Earth's surface.

Fourth Question :-

Choose from column (B) what suitable in column (A):

(A)	(B)
1- Solar system	a- Giant objects composed of highly superhot gases.
2- Stars	b- It is used to see distant celestial bodies.
	c- It consists of Sun and the group of planets that revolve around it.

Answer the following questions:

1- What is gravity?

2- Mention two ways to rationalize water consumption.

3- What happens when ground water is used more than is compensated by rainfall

Model Exam 8	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة في نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Complete the following statements:

- 1- Water lilies grow in water.
- 2-is from fresh lakes in Egypt.
- 3- From the sources of salt water

Give Reasons for:

- 1- Jellyfish cannot live in ponds.

- 2- We can't feel the spinning of Earth and it seems to be stationary.

Second Question : -

Complete the following statements:

- 1- A phenomenon of occurs, because of Earth's rotation around its axis.
- 2- is the fastest-rotating planet on its axis in the solar system.
- 3- Orion the Hunter is an example of a in the sky .

Write what the following statement refers to:

- 1- An area characterized by greenery, soil, climate, and wildlife that distinguished from other areas. (.....)
- 2- Sun and the planets group revolve around it. (.....)

Third Question : -

Correct the underlined words:

- 1- Most of the water on the earth's surface is fresh water. (.....)
- 2- Lakes are known as a source of salty water whose bottom contains mountains and plains. (.....)

What is meant by:

- 1- River.

Read the following statements and then correct the wrong one

- 1- Water just above ground level is known as oceans.
- 2- Fishing is allowed in natural protectorates.

Mention the interacting Earth systems in the following sentences:

- 1- The plant absorbs carbon dioxide during the photosynthesis process

Fourth Question : -

Correct the underlined words:

- 1- During Earth's rotation around its axis, the half of Earth facing Sun is night. (.....)
- 2- Earth takes 365 days to make a complete cycle on its axis. (...)
- 3- During Earth's rotation around its axis, half of Earth away from Sun is day. (.....)

What happens if:

- 4- Lack of gravity.

What is the importance of gravitational force?

Model Exam 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة في نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question :-

Correct the underlined words:

- 1- Seas surround the continents and are connected to each other.
(.....)
- 2- Estuaries are considered large water bodies surrounded by land on all sides. * (.....)
- 3- Ponds are type of estuaries. (.....)

Give Reasons for:

- 1- Fish do not live in Assal lake.
.....
- 2- We can't feel the spinning of Earth and it seems to be stationary.
.....

Second Question :-

Correct the underlined words:

- 1- We use some instruments such as a microscope to study celestial bodies. (.....)
- 2- The atmosphere is a protective layer that surrounds Earth because it has clouds. (.....)

What is meant by:

- 1- Groundwater
.....

- 2- Gravity
.....

Read the following statements and then correct the wrong one:

- 1- Sun looks like it's moving in the sky.
- 2- The fastest-rotating planet around Earth is Jupiter.

=====

Third Question : -

Complete the following statements:

- 1- contains fresh water.
- 2- is formed when the sea water meets the fresh river water.
- 3- is considered the largest water body that contains salt water.

Write what the following statement refers to:

- 1- Water that lies beneath Earth's surface and has been leaked into Earth through a layer of porous rock. (.....)
- 2- A type of friction force that occurs due to the movement of objects in the air. (.....)

=====

Fourth Question : -

Complete the following statements:

- 1- In the early morning, the person's shadow is in.....direction.
- 2- Stars consist of
- 3- is the closest star to Earth.

What happens if:

- 1- Cows started eating all grass before the new grass grew.

.....

Mention the interacting Earth systems in the following sentences:

- 1- The plant needs water to grow

Model Exam	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة فى نفس الورقة / صفحة واحدة))		

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Answer each of the following questions

First Question :-

Correct the underlined words:

- 1- The change in the position of Sun in the sky during the day causes the similarity of the length of the shadow. (.....)
- 2- The atmosphere is a protective layer that surrounds Earth because it has clouds . (.....)

Give Reasons for:

- 1- Whales live in the oceans.
- 2- We can't feel the spinning of Earth and it seems to be stationary.
- 3- In the sky, the moon and stars look as if they rise and set .

Second Question :-

Correct the underlined words:

- 1- Rivers are sources of salt water. (.....)
- 2- When a factory is built close to a body of water, it causes that protecting the water body. (.....)
- 3- Estuary is a tributary that flows into large rivers, forming large water bodies. (.....)

Write what the following statement refers to:

- 1- A large of salty water body whose floor has mountains and plains (.....)

Who discovered that Sun is the center of the solar system?

=====

Third Question :-

Complete the following statements:

- 1- Water consumption can be rationalized by
- 2- The factors that affect sustainability and and
- 3- causes soil pollution and death of plants and animals.

What is meant by:

- 1- The lake
-
-

- 2- Air resistance
-
-

=====

Fourth Question :-

Complete the following statements:

- 1- The length of the shadow varies by changing the location of the in the sky.
- 2- Binoculars and telescopes are instruments used in
- 3- Sun is a size star relative to the rest of the stars.

What happens if:

- 1- What happens if there is no gravity between Earth and the Moon?
-
-

Read the following statements and then correct the wrong one:

- 1- Wetlands are examples of salt water.
 - 2- All water resources on the earth's surface are drinkable.
- =====

Model Exam 11	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة في نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question :-

Correct the underlined words:

- 1- The closest star to Earth is Jupiter. (.....)
- 2- Constellations appear more in spring. (.....)

Give Reasons for:

- 1- Sun looks much larger to us than other stars.

- 2- The length and angle of shadows vary throughout the day.

- 3- The occurrence of moon phases.

Second Question :-

Correct the underlined words:

- 1- Population growth benefits sustainability. (.....)
- 2- We make plastic products from cotton. (.....)
- 3- Deforestation improves the natural habitat for living organisms. (.....)

Write what the following statement refers to:

- 1- One of the moon phases in which half of the moon facing Earth is completely dark. (.....)

Read the following statements and then correct the wrong one:

- 1- The cycle of day and night occurs once a year.
- 2- The planets of the solar system revolve around Sun at similar speeds.

Third Question :-

Complete the following statements:

- 1- The moon reflects light falling on it .
- 2- Stars emit their own light because they are made up of causing them to glow.
- 3- In the planetarium you see pictures of , , and

What is meant by:

- 1- The biosphere

-
- 2- Orbit
-
- =====

Fourth Question :-

Complete the following statements:

- 1- Water consumption can be rationalized by
- 2- The area where water from different sources collects and move in one direction is
- 3- Human activities that lead to water running out , and and

What happens if:

- 1- The rainfall was more than the river could contain.

Mention the interacting Earth systems in the following sentences:

- 1- Organisms exchange gases with air while breathing
- =====

Model Exam 12	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2ND Term May 2026	توجيه عام العلوم لغات
	نموذج امتحان الفصل الدراسي الثاني / مايو 2026 / الصف الخامس الابتدائي ((الاجابة فى نفس الورقة / صفحة واحدة))		

Answer each of the following questions

First Question : -

Correct the underlined words:

- 1- The state establishes gardens to protect endangered species.
(.....)
- 2- Using a filter leads to water pollution. (.....)
- 3- The engineers are responsible for the operation of the planetarium. (.....)

Write what the following statement refers to:

- 1- An area characterized by vegetation, soil, climate, and wildlife that distinguish it from other areas. (.....)
 - 2- An attraction force that occurs between objects. (.....)
- =====

Second Question : -

Give Reasons for:

- 1- Cycle of day and night
.....
- 2- The moon appears to be bright in the sky.
.....
- 3- Water is one of the most important natural resources on Earth's surface.
.....

What is meant by:

- 1- The watersheds
.....
- 2- Earth axis
.....

=====

Third Question :-

Complete the following statements:

- 1- When the moon is in the middle of the lunar month, it is called phase .
- 2- The moon appears to be illuminated in the sky due to the reflection of the light on the moon.
- 3- The moon phase facing Earth is completely dark in the of the lunar month.

Read the following statements and then correct the wrong one:

- 1- Ponds and swamps are underground water.
- 2- Reducing shower bath time is one of the ways to waste water.

What are the factors affecting the gravitational force between two objects ?

.....

=====

Fourth Question :-

Complete the following statements:

- 1- Water consumption can be rationalized by
- 2- Excessive use of groundwater lead to wells.
- 3- An area where water from different sources collects and moves in one direction is

What happens if:

- 1- There is very little rainfall.
-
- =====

Write what the following statement refers to:

- 1- The force that arises between two objects in contact and slows down the movement of the object. (.....)
- =====

Model Exam  13 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2ND Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question :-

Complete the following statements:

1- The gravitational force between two objects increases when the increases.

Write what the following statement refers:

- 1- A group of stars that form a certain shape in the sky. (.....)
- 2- The force that is between two contact surfaces slows down the movement. (.....)
- 3- Areas where the water level is slightly above ground level, land partially covered with water, such as swamps and ponds. (.....)
- 4- large area of the world that has similar soil, climate , animals and plants(wildlife). (.....)

Second Question :-

Complete the following statement using words between the brackets:

1- The moon appears in the middle of the lunar month in the form of
(Crescent - Full - new moon - Red)

Correct the underlined words:

- 1- Stars consist of rocks and minerals.
- 2- The estuary is the location of meeting a lake with an ocean.
(.....)
- 3- Constellations appear more in spring than summer. (.....)
- 4- Ponds is a suitable habitat for water lilies plant as it is running fresh water. (.....)

Third Question :-

Choose the right answer:

1- The Moon revolves around Earth by the effect of

- a) The gravity of Sun b) Earth's gravity.
c) The gravity of the solar system. d) The movement of planets

2- Sun is considered

- a) A galaxy. b) Planet. c) star. d) A polar star.

Give reason for the following:

1- The cycle of day and night.

2- Countries conserve and establish natural protectorate.

3- Scientists used the word sphere to name Earth's ecosystems.

Fourth Question :-

Choose from column (B) what is suitable from column (A):

(A)	(B)
1- Air resistance	a- Result from rotation of Earth around its axis.
2- Movement of shadows	b- Force effects in opposite direction of the body motion and decrease the speed of the it.
	c- It emits its own light.

Answer the following questions:

1- What is the importance of building dams?

2- What are the results of overfishing?

3- What makes the planets revolve in fixed orbits around Sun?

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Answer each of the following questions

First Question : -

Correct the underlined words:

- 1- Stars near the poles are very fast . (.....)
- 2- The engineers are responsible for the operation of the planetarium . (.....)
- 3- Water from the high Dam in Egypt is used to generate thermal energy. (.....)

Write what the following statement refers to:

- 1- The sphere that contains rocks, minerals and soil.
- 2- Giant celestial bodies made up of superhot gases. (.....)

Second Question : -

Give Reasons for:

- 1- Moon phases change during the lunar month.
.....
- 2- The skydiver appears to be swimming in space.
.....
- 3- Cycle night and day.
.....

What is meant by:

- 1- The sustainability
.....

Read the following statements and then correct the wrong one:

- 1- Lightest objects reach earth faster than heaviest objects in the absence of air.
- 2- Earth rotates around its axis once every hour.

=====

Third Question :-

Complete the following statements:

- 1- is considered one of the factors affecting sustainability.
- 2- From the most important sources of salt water are and
- 3- We use to purify uncleaned water.

Read the following statements and then correct the wrong one:

- 1- Lake Naser and Lake Bardawel are examples of saltwater ecosystems in Egypt.
- 2- Water is used to transport goods.

Classify the following water sources according to their type:

- 1- Rivers - Oceans - Glaciers.
-

=====

Fourth Question :-

Complete the following statements:

- 1- The miss use of fresh water may cause animals.
- 2- Behaviors that lead to water running out and and
- 3- To conserve renewable resources, we must

What happens if:

- 1- The ground water is used more than is replaced by rainfall.
-
-

Write what the following statement refers to:

- 1- It in middle the month and half of the moon facing Earth is fully illuminated. (.....)
- =====

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Answer each of the following questions

First Question : -

Correct the underlined words:

- 1- Using a filter leads to water pollution. (.....)
- 2- Water is considered an important industrial resource on planet earth. (.....)
- 3- Stars near the poles are very fast. (.....)

What happens if:

- 1- More rain falls than the river can hold.

Write what the following statement refers to:

- 1- The moon takes different shapes during the full lunar month.
(.....)

Second Question : -

Write what the following statement refers to:

- 1- A body of water surrounded by land on all sides. (.....)

What is meant by:

- 1- The geosphere

- 2- Galaxy

Read the following statements and then correct the wrong one:

- 1- An orbit is a spherical shape in which the planets revolve around the sun.
- 2- The planets revolve around Sun in fixed orbits under the effect of Sun's gravity.

Classify the following water sources according to their type:

1- (Estuaries - Swamps - Groundwater).

Third Question :-

Complete the following statements:

1- Excessive use of groundwater lead to wells.

2- Water can be controlled and conserved by

Give Reasons for:

1- The occurrence of moon phases.

2- Sun has more gravity than Earth.

3- Scientists used the word sphere to name Earth's ecosystems.

Fourth Question :-

Write what the following statement refers to:

1- The sphere that contains all living organisms. (.....)

2- An attractive force that occurs between bodies. (.....)

3- An imaginary line that passes through the North and the South Poles of Earth. (.....)

Read the following statements and then correct the wrong one:

1- The oceans contain a large amount of fresh water.

2- Coral reefs are examples of saltwater ecosystems.

What force decreases the speed of a moving ball on the ground?

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Answer each of the following questions

First Question :-

Correct the underlined words:

- 1- Rivers are considered a source of salt water. (.....)
- 2- The engineers are responsible for the operation of the planetarium . (.....)

Write what the following statement refers to:

- 1- A celestial body that controls the rotation of the planets around it due to its gravitational force. (.....)

What is meant by:

- 1- The hydrosphere

Read the following statements and then correct the wrong one:

- 1- Air resistance does not reduce the speed of a moving object.
- 2- Gravity affects the revolving speed of the planets around the sun.

Second Question :-

Correct the underlined words:

- 1- Dams are used to filter polluted water for use. (.....)
- 2- Stars near the poles are very fast . (.....)

What happens if:

- 1- Factory waste passes through a small stream.

Write what the following statement refers to:

- 1- The place where a river meets the sea or ocean. (.....)

What is the difference between Earth's rotation on its axis and its revolution Sun?

Third Question : -

Complete the following statements:

- 1- Water waste engineers in Egypt work in
- 2- The gravitational force between two objects depends on the two bodies.

Give Reasons for:

- 1- Sun seems to be the greatest star to us than other stars.

- 2- The apple falls from the tree.

- 3- The Moon revolves in a fixed orbit around Earth.

Fourth Question : -

Write what the following statement refers to:

- 1- The sphere that contains air and various gases. (.....)
- 2- Using a resource in a way that does not negatively affect the future availability of that resource. (.....)
- 3- A force of attraction that occurs between objects. (.....)

What is meant by:

- 1- Constellation

Read the following statements and then correct the wrong one:

- 1- Freshwater is approximately 2.5 % of the hydrosphere.
- 2- Groundwater is found in the deep oceans.

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Dr Michael Guirguis

Answer each of the following questions

First Question :-

Complete the following statements:

- 1- Water represents the .. **Hydrosphere** sphere of earth.
- 2- Organisms represent the .. **Biosphere** sphere of earth.
- 3- Plants need water to do **Photosynthesis**

Give Reasons for:

- 1- The importance of water for the life of living organisms

because human and most other animals can only drink fresh water, and plants need it to survive and grow.

- 2- The stability of objects on the earth's surface.

Due to gravity which pulls everything toward the center of Earth. Everything, including us, is held to the ground by Earth's gravitational pull

Second Question :-

Complete the following statements:

- 1- The force that returns the ball after it is thrown upward is a **Gravitational** force.

- 2- If the distance between earth and its moon increases the attraction force between them is... **decreases**

- 3- Magnetic is considered a .. **Pull** .. force and .. **push** .. force.

Write what the following statement refers to:

- 1- A group of stars form a certain shape in the sky. **Constellation**
- 2- The main engine of the water cycle in nature. (... **The sun** ...)

Thlrd Question :-

Correct the underlined words:

1- Water turns from liquid to solid by heating. (cooling)

2- Humans are part of the hydrosphere. (Biosphere)

Read the following statements and then correct the wrong one:

1- The moon reflects light, so we see it illuminated in the sky. Correct

2- The new moon is a phase of the moon in which the face of the moon facing Earth is fully illuminated. X Completely dark

What are the uses of water in our lives?

Water is used for drinking, irrigation and agriculture, industry, power generation, and transporting goods.

Choose the right answer:

1- The cycle of seasons during the year is due to Earth's revolution around ... The sun

a) The moon b) the galaxy c) its axis d) Sun

Fourth Question: -

Correct the underlined words:

1- The moon gravitational force is greater than earth gravitational force. less

Downward (toward earth's center)

2- Earth's gravity causes objects to move upward. (.....)

3- When anybody falls from a high place, it moves upwards. Downwards

What happens if:

1- The distance between Earth and the Moon doubled relative to the gravitational force between them.

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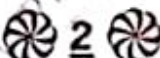
The gravitational force between Earth and the moon would become smaller.

Classify the following water sources according to their type:

1- Seas - ponds - streams.

Seas: salt water;
Ponds: fresh water (wetlands);
Streams: fresh water.

في السائنس

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Answer each of the following questions

First Question : -

(A) : - put (√) or (X) : -

Complete the following statements:

- 1- Water turns from liquid to solid by ... **Cooling**
- 2- The ecosystem consists of and nonliving thing. **Living organisms**
- 3- Water turns from solid to liquid with **Heating**

Give Reasons for:

- 1- The importance of water for the life of living organisms

because human and most other animals can only drink fresh water, and plants need it to survive and grow.

- 2- The moon orbits Earth in a fixed orbit.

Because Earth's gravity pulls the moon and keeps it moving in an orbit around Earth instead of flying off into space.

Second Question : -

Complete the following statements:

- 1- Gravity is considered a force. **Non-contact \ pulling**
- 2- If the distance between the moon and earth increases the gravitational force between them **Decreases**
- 3- As the **Mass** of the body, increase its gravity increases.

Write what the following statement refers to:

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- 1- An area of land where water flows, collects from multiple sources, and moves in one direction towards a common location.

Watershed

- 2- Giant celestial bodies made up of superhot gases.

Stars

Third Question : -

Correct the underlined words:

- 1- The total amount of water on the Earth is changing. (Constant)
- 2- Plants need water to carry o Cooling cess of reproduction. (Photosynthesis)
- 3- Water covers about 50% of the Earth's surface. (71%)

Read the following statements and then correct the wrong one:

- 1- The shapes of the moon vary during the lunar month. (Correct)
- 2- The Moon revolves around Earth in a circular path. (X elliptical)

Explain how water is considered a renewable resource?

Because water is continuously recycled in nature by the water cycle: it evaporates, condenses, and falls again as precipitation, so its total amount stays nearly constant.

Fourth Question : - (A) : - Complete the following sentences: -

Correct the underlined words:

- 1- When the distance between two bodies increases, the force of attraction between them is increasing. (Decreases)
- 2- Gravitational force increases as the body is higher above the earth's surface. (Near\closer)

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What happens if:

- 1- The water changes from one state to another (relative to its total quantity)

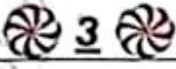
Its total quantity on Earth does not change; only its state changes between solid, liquid, and gas.

What is the force that causes the pen to fall from your hand?

Gravity

Choose the right answer:

- 1- All the following is true for gravitational force except. (Visible force)
- a) Objects are pulled toward the center. (c) Visible force.
- b) Objects fall from above to the ground. d) affects non-contact.

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Answer each of the following questions

First Question :-

Complete the following statements:

1- A place that the water flows from an area of high altitude to an area with lower altitude in a definite path called as . **River**

2- Geosphere Includes **Rocks, minerals, landforms, soil, and molten rock**

3- Rivers are part of the **Hydro** sphere **ورقة وقلم في السانيس**

Give Reasons for:

1- The importance of water for the life of living organ. **Because humans and most animals can only drink fresh water, and plants need it to survive and grow, so without water living organisms cannot live.**

2- The moon gravity is less than Earth gravity.

Because Earth has greater mass than the moon, so Earth's gravity is stronger than the moon's gravity.

Second Question :-

Complete the following statements:

1- The gravitational force between two objects is decreased when the distance between them **Increases**

2- **Frictional** forces that occurs between two touching surfaces and slow down the motion of the objects.

3- The force that returns ball to the ground after it has been thrown upward is . **Gravity**

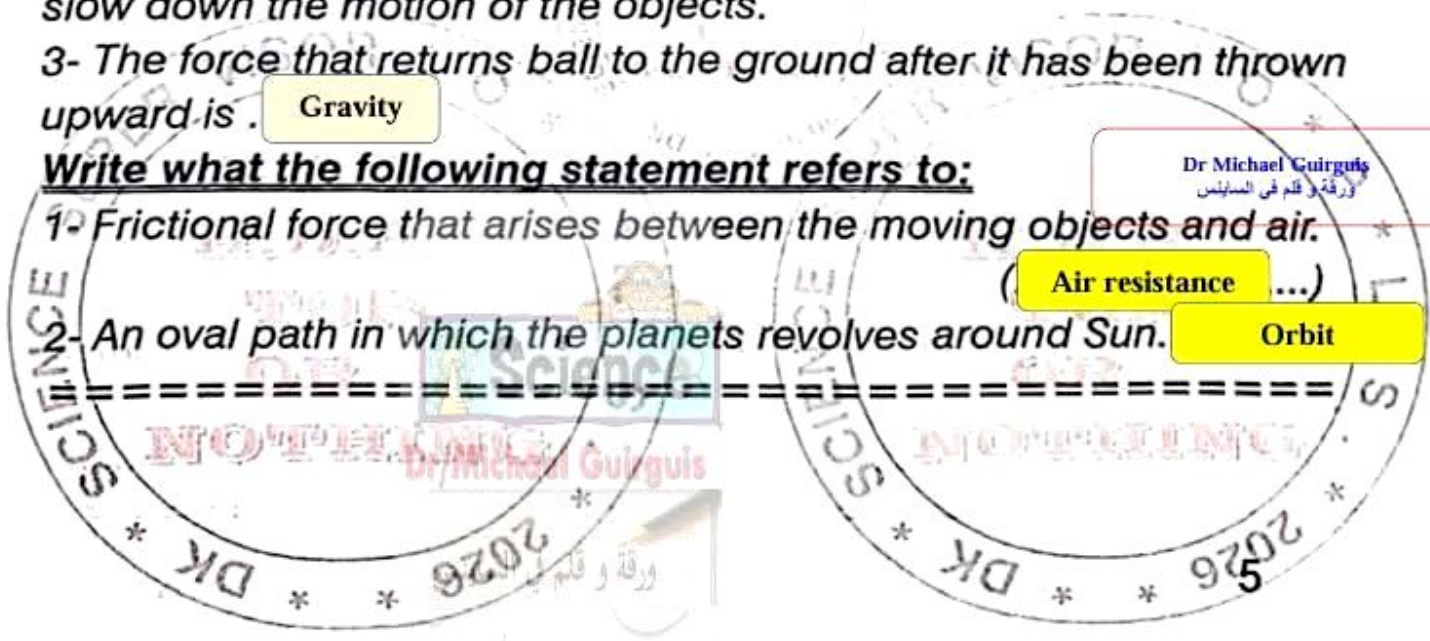
Write what the following statement refers to:

1- Frictional force that arises between the moving objects and air.

(**Air resistance** ...)

2- An oval path in which the planets revolves around Sun. **Orbit**

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Third Question :-

Correct the underlined words:

1- The water turns into ice by heating. (... **cooling** ...)

2- The total amount of water on the ground changes. **Fixed/Constant**

Read the following statements and then correct the wrong one.

1- A group of stars that look like it forms a pattern of a certain shape in the sky is called a constellation of stars. **Correct**

2- The full moon appears at the beginning of the lunar month. **Middle**

What are the different places where water exists?

In oceans and seas, rivers and streams, lakes and ponds, wetlands such as swamps, glaciers and ice, groundwater under the ground, and in the air as clouds and rain.

1- Earth orbits around every 24 hours
a) its axis b) Sun c) Moon d) Star

Fourth Question :-

Correct the underlined words:

1- Waterfalls pushed from the top of the river downwards due to air resistance. **Due to gravity**

2- Air resistance affects a body falling downward in the same direction as Earth's gravity. (**opposite**)

3- The force that occurs between two touching surfaces and slows down movement is known as magnetism. **Friction**

What happens if:

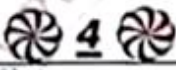
1- Throwing paper and clothes peg at the same time from a window on the third floor.

The clothes peg will reach the ground first because air resistance is smaller on the heavier, denser object than on the light paper, which falls more slowly

Answer the following: An object with a mass of 80 kilograms, and another object with a mass of 50 kilograms. Which of them is affected by more gravity if they are at the same height above Earth's surface?

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The 80-kilogram object, because as mass increases the gravitational force on the object increases.

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Answer each of the following questions

First Question :-

Complete the following statements:

- 1- During respiration of living organisms, an interaction occurs between the **Atmo** sphere and **bio** sphere
- 2- Rocks and minerals are components of the **Geo** sphere
- 3- Rivers belong to the **Hydro** -sphere **Litho**

Give Reasons for:

- 1- Water is considered a renewable resource.

Because water is continuously recycled in the water cycle, changing state and moving between Earth and the atmosphere, so the total amount of water on Earth stays almost constant.

- 2- Earth's gravity is greater than Moon gravity.

Because Earth has more mass than the moon, so its gravitational force is stronger.

Second Question :-

Complete the following statements:

- 1 **Parachutes** pull skydivers upward to slow down their fall downward the ground. **air resistance**
- 2- Revolving of planets around Sun is in fixed orbits due to the effect of **The sun's gravitational force**
- 3- Magnets attract some metals, such as **Pres Iron and nickel (and cobalt)**

Write what the following statement refers to:

- 1- Restricting access to or use of a resource **Preservation of natural resources**
- 2- It is a phenomenon that occurs when Earth rotates on its axis.
(.....)
Day and night



Third Question : -

Correct the underlined words:

1- Rivers are considered to be from the Earth's atmosphere.

(... **Hydrosphere** ...)

2- Water is transformed from solid to liquid by cooling.

heating

3- Assal lake is a freshwater lake. (... **Saltwater** ...)

What happens if:

1- The water disappears from the earth's surface.

Living organisms would die because they would have no water to drink or use, plants could not grow,

Mention the interacting Earth systems in the following sentences:

1- Earthworms live in the soil and make it their shelter.

Biosphere and geosphere

Fourth Question : -

Correct the underlined words:

1- Magnets attract objects made of wood. **metals, such as iron, nickel, and cobalt**

2- The force **less** between two objects increases as the distance between them increases. **Decreases**

Read the following statements and then correct the wrong one:

1- Astronauts can be sent to explore distant stars. **X cannot be**

2- Different constellations can be observed in summer more than in winter. **X Winter than summer**

How long does Earth take to rotate around its axis ?

24 hours (one day)

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Choose the right answer:

1- Magnets attract some metals such as :

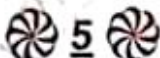
a) Iron and nickel

a) Iron and nickel

b) Aluminum and copper

c) Iron and gold

d) Copper and silver

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Answer each of the following questions

First Question : -

Complete the following statements:

- 1- Humans are part of the **Bio** -sphere
- 2- .. **Catfish** . live in the water streams.
- 3- The largest saltwater ecosystems is.. **oceans**

Give Reasons for:

- 1- Plants are considered a renewable resource.

Because they produce seeds which can grow into new plant

- 2- The Moon revolves around Earth in a fixed orbit.

because Earth has stronger gravity than the moon, and Earth's gravity keeps the moon in orbit.

Second Question : -

Complete the following statements:

- 1- **Air resistance** reduces the speed of moving objects in the air.
- 2- Earth spins around **its axis** and around **The sun**
- 3- During Earth's rotation around its axis, half of Earth facing Sun is .. **day**

Write what the following statement refers to:

- 1- Water found inside the cracks and pores of rocks under the earth's surface. (**Groundwater**)
- 2- An imaginary line that passes through the North and the South Poles of Earth. (**Earth's axis**)

Third Question : -

Correct the underlined words:

- 1- Pond water is characterized by fast-flowing water. (**still water**)

2- Salamanders live in the oceans. (.. still)

Read the following statements and then correct the wrong one

1- Sun is the only star in the solar system. ✓

2- The atmosphere allows some light waves to pass through it. ✓

Mention the interacting Earth systems in the following sentences:

1- Animals depend on plants for their food.

Biosphere and biosphere

Choose the right answer:

1- Earth looks like a) Blue sphere from the space ,because water covers most of the planet's surface.

a) Blue b) Green c) Yellow d) Red

Fourth Question : -

Correct the underlined words:

1- Earth is the center of motion in the solar system. (Sun)

2- The magnet pulls the metal paper clips because of the gravitational force. magnetic

3- Earth rotates around its axis, which runs horizontally. vertically

What happens if:

1. Earth stop rotating around on its axis.

we would not have the regular pattern of day and night, and it would not seem like the sun is moving across the sky and the part of earth which face the sun will appear day all the time and vice versa.

Answer the following: Look at the corresponding shape, then choose:

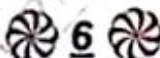
a) The parachutist falls to the ground by gravity force. (Light - Gravity)

b) The friction force between air and the balloon lead decreasing the Speed of landing. (Increasing - decreasing)



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Answer each of the following questions

First Question : -

Complete the following statements:

- 1- Water that lies beneath Earth's surface and has been absorbed into Earth through a layer of porous rock is known as **Groundwater**
- 2- The ponds have **Fresh still** water
- 3- .. **Catfish** is considered one of the organisms that live in water streams.

Give Reasons for:

- 1- Scientists have used the word (sphere) to name each of the Earth systems

Because they classify parts of Earth into systems that surround the planet, and Earth's shape is considered as a sphere

- 2- Sun is the center of motion in the solar system.

Because the sun has a powerful gravitational force that pulls all the planets, so they revolve in fixed orbits around it and would fly off into space without this force.

Second Question : -

Complete the following statements:

- 1- The imaginary line that passes through the north and the south pole of Earth is called **Axis**
- 2- Cycle of day and night occurs due to Earth's rotation around **Its axis**
- 3- Earth rotates **Counter** clockwise around its vertical axis

Write what the following statement refers to:

- 1- The place where rivers meet seas or oceans and is considered an ecosystem and habitat for thousands of plants and animals.

Estuary

- 2- The fastest planet that rotates on its axis in the solar system.

Jupiter

Third Question : -

Correct the underlined words:

- 1- Freshwater ecosystems cover a large part of Earth. **Saltwater**
- 2- 3.5% of the water on the Earth's surface is salty. (... **Fresh**.)
- 3- Water lilies live in seawater. (**Ponds / still fresh water**)

What happens if:

- 1- Water changes from state to state relative to its total quantity

The total amount of water on Earth does not change; only its state (liquid, solid ice, or water vapor) changes.

Mention the interacting Earth systems in the following sentences:

- 1- Rocks and soil move when the water runs.

The hydrosphere interacts with the geosphere.

Fourth Question : -

Correct the underlined words:

- 1- The cycle of night and day occurs due to the rotation of Earth around Sun. (**.. Around its axis ..**)
- 2- Mars is the fastest-rotating planet on its axis in the solar system. (**.... Jupiter ...**)

What is meant by:

- 1- Friction

It is a force generated between two touching surfaces that slows the movement of objects.

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Read the following statements and then correct them **Cycle of seasons**

- 1- Earth's rotation around Sun causes the cycle of night and day.
- 2- Meteorites and comets cannot be seen by the naked eye.

What is the force that stops the car when we use the brake? **can be seen**

Friction

Model Exam 7	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
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Answer each of the following questions

First Question : -

Complete the following statements:

1- Sun appears in the middle of the sky at.. **Noon**

Write what the following statement refers:

1- Use a resource in a way that does not affect the future supply of it. **Sustainability**

2- Water stored in the cracks and spaces through a layer of porous rock. **Groundwater**

3- An imaginary line that passes through the north Pole and the South Pole of earth. **Axis**

4- It appears on the last day of the lunar month the half of the moon facing Earth is completely dark. **New moon**

Second Question : -

Complete the following statement in parentheses:

1- The moon reflects the light of . **Sun** falling on it.
(Earth - Jupiter - Mars - **Sun**)

Correct the underlined words:

1- One of the factor's affecting gravity is the size of the body.
(. **Mass** .)

2- Deserts are examples of wetlands. (. **Swamps and ponds** .)

3- Sun is made up of superhot gases such as oxygen and nitrogen.
(. **Hydrogen and helium** .)

4- When animals breathe air, a reaction occurs between the biosphere and Earth's geosphere. (. **Atmosphere** .)

Third Question : - Choose the correct answer:

1- Earth orbits around .. **a-Sun** hus it makes the stars appear as if they are moving in the night sky.

a) Sun b) Moon c) Stars d) its Axis

2- The forces that arise between two objects in contact and lead to the slowing down of the movement are known as the forces of friction. c) Friction.

a) Wind. b) Gravity. c) Friction. d) Magnetism.

Give reason for the following:

1- Plants are a renewable resource.

Because plants produce seeds which can grow again and reproduce, so they can be replaced naturally and used many times.

2- The moon's gravitational force is less than Earth's gravitational force.

Because Earth has greater mass than the moon, so its gravity is stronger and exerts a greater force on objects than the moon.

3- Water is one of the most important natural resources on Earth's surface.

Because humans and most other animals can only drink fresh water, plants need it to survive and grow, and it is used for drinking, irrigation, agriculture, industry, and power generation.

Fourth Question :-

Choose from column (B) what suitable in column (A):

(A)	(B)
1- Solar system	a- Giant objects composed of highly superhot gases. Stars
2- Stars	b- It is used to see distant celestial bodies. c- It consists of Sun and the group of planets that revolve around it. Solar system

Answer the following questions:

1- What is gravity?

Gravity is a force of attraction between objects that pulls them toward each other and keeps objects pulled toward the center of Earth.

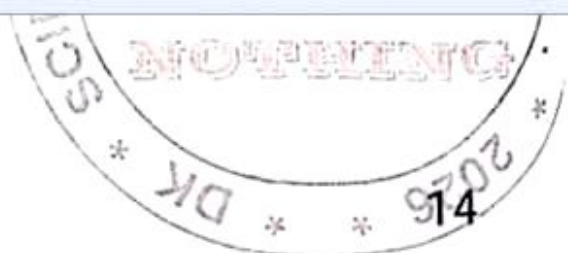
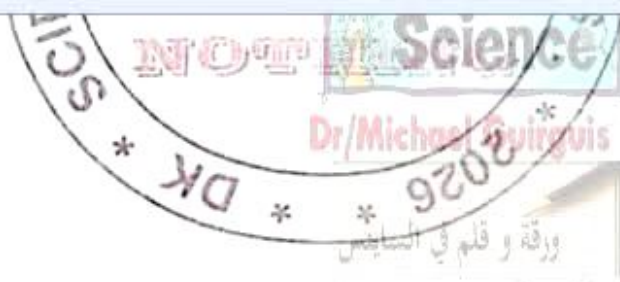
2- Mention two ways to rationalize water consumption.

Turn off the faucet while brushing your teeth, and take a quick shower

3- What happens when ground water is used more than is compensated by rainfall

The water runs out and the wells dry up.

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Model Exam  8 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question : -

Complete the following statements:

1- Water lilies grow in **Still fresh** water.

2- **Naser Lake** is from fresh lakes in Egypt.

3- From the sources of salt water **Oceans and seas**

Give Reasons for:

1- Jellyfish cannot live in ponds.

Because ponds have fresh, still water, while jellyfish are saltwater organisms that live in seas and oceans and can't adapt to live in freshwater ponds.

2- We can't feel the spinning of Earth and it seems to be stationary.

Because we are moving with Earth as it rotates very fast,

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Second Question : -

Complete the following statements:

1- A phenomenon of occurs, because of Earth's rotation around its axis. **Day and night**

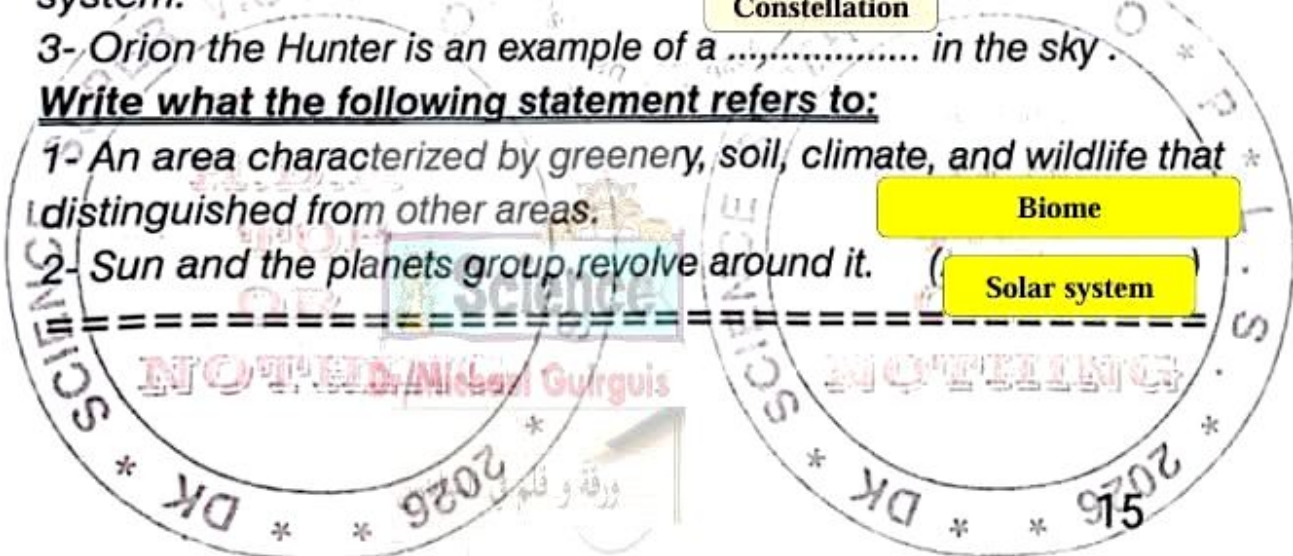
2- **Jupiter** is the fastest-rotating planet on its axis in the solar system.

3- Orion the Hunter is an example of a in the sky. **Constellation**

Write what the following statement refers to:

1- An area characterized by greenery, soil, climate, and wildlife that distinguished from other areas. **Biome**

2- Sun and the planets group revolve around it. **Solar system**



Third Question : -

Correct the underlined words:

1- Most of the water on the earth's surface is fresh water.

Salt

2- Lakes are known as a source of salty water whose bottom contains mountains and plains. (

Oceans

What is meant by:

1- River.

It is a body of fresh water that usually starts in mountains and flows in a definite path until it joins a sea or a larger river.

Read the following statements and then correct the wrong one:

1- Water just above ground level is known as oceans.

wetlands

2- Fishing is allowed in natural protectorates.

restricted

Mention the interacting Earth systems in the following sentences:

1- The plant absorbs carbon dioxide during the photosynthesis process

Biosphere and atmosphere

Fourth Question : -

Correct the underlined words:

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1- During Earth's rotation around its axis, the half of Earth facing Sun is night.

Day

2- Earth takes 365 days to make a complete cycle on its axis.

24 hours

3- During Earth's rotation around its axis, half of Earth away from Sun is day.

Night

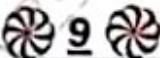
What happens if:

4- Lack of gravity.

Objects would not be pulled toward Earth; they would float, and planets would not stay in their orbits but could float into space.

What is the importance of gravitational force?

It holds everything on Earth's surface, keeps us and other objects from floating into space, and keeps planets moving in their orbits around the sun.

Model Exam 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
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Answer each of the following questions

First Question : -

Correct the underlined words:

1- Seas surround the continents and are connected to each other.

Oceans

2- Estuaries are considered large water bodies surrounded by land on all sides.

Lakes

3- Ponds are type of estuaries.

Wetlands

Give Reasons for:

1- Fish do not live in Assal lake.

Because Lake Assal is a salt lake with a very high concentration of natural salts, making it too salty for fish and most other aquatic animals.

2- We can't feel the spinning of Earth and it seems to be stationary.

Because we are moving with Earth while it rotates very fast

Second Question : -

Correct the underlined words:

1- We use some instruments such as a microscope to study celestial bodies.

Telescopes / binoculars

2- The atmosphere is a protective layer that surrounds Earth because it has clouds.

Gases

What is meant by:

1- Groundwater

Water that lies beneath Earth's surface and has been absorbed into Earth through a layer of porous rock.

2- Gravity

A force of attraction between objects that pulls them toward each other and toward the center of Earth.

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Read the following statements and then correct the wrong one:

1- Sun looks like it's moving in the sky. ✓

2- The fastest-rotating planet around Earth is Jupiter. X on its axis

Third Question : -

Complete the following statements:

1- Ponds contains fresh water.

2- Estuary is formed when the sea water meets the fresh river water.

3- Ocean is considered the largest water body that contains salt water.

Write what the following statement refers to:

1- Water that lies beneath Earth's surface and has been leaked into Earth through a layer of porous rock. Groundwater

2- A type of friction force that occurs due to the movement of objects in the air. Air resistance

Fourth Question : -

Complete the following statements:

1- In the early morning, the person's shadow is Left\west direction.

2- Stars consist of Hot gases

3- The sun is the closest star to Earth.

What happens if:

1- Cows started eating all grass before the new grass grew.

The grass would be gone and the cows would starve, because the situation is not sustainable if grass is eaten faster than it can grow back.

Mention the interacting Earth systems in the following sentences:

1- The plant needs water to grow

Biosphere and hydrosphere

Model Exam 10	Dakahla Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 nd Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question : -

Correct the underlined words:

1- The change in the position of Sun in the sky during the day causes the similarity of the length of the shadow.

Change / difference

2- The atmosphere is a protective layer that surrounds Earth because it has clouds .

Gases

Give Reasons for:

1- Whales live in the oceans.

Because oceans and seas are large saltwater ecosystems with moving seawater and many marine organisms that are adapted to live there.

2- We can't feel the spinning of Earth and it seems to be stationary.

Because we are moving with Earth while it rotates very fast.

3- In the sky, the moon and stars look as if they rise and set .

Because Earth rotates from west to east, so the sun, moon, and stars only appear to move across the sky and to rise and set.

Second Question : -

Correct the underlined words:

1- Rivers are sources of salt water.

Fresh

2- When a factory is built close to a body of water, it causes that protecting the water body.

Polluting

3- Estuary is a tributary that flows into large water bodies.

stream

Still fresh

Write what the following statement refers to:

1- A large of salty water body whose floor has mountains and plains

Ocean

Who discovered that Sun is the center of the solar system?

Nicolaus Copernicus

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Third Question :-

Complete the following statements:

- 1- Water consumption can be rationalized by taking a quick shower 1. Overpopulation
- 2- The factors that affect sustainability and 2. Overconsumption of resources
- 3- causes soil pollution and death of plants and animals 3. pollution

What is meant by burning nonrenewable resources

- 1- The lake

A large body of water surrounded by land, usually containing fresh water, that forms when water pools in a low-lying area.

- 2- Air resistance

A force that acts on moving objects in the air and slows their motion.

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Fourth Question :-

Complete the following statements:

- 1- The length of the shadow varies by changing the location of the Sun in the sky. studying celestial bodies / seeing distant objects in space
- 2- Binoculars and telescopes are instruments used in ...
- 3- Medium size star relative to the rest of the stars.

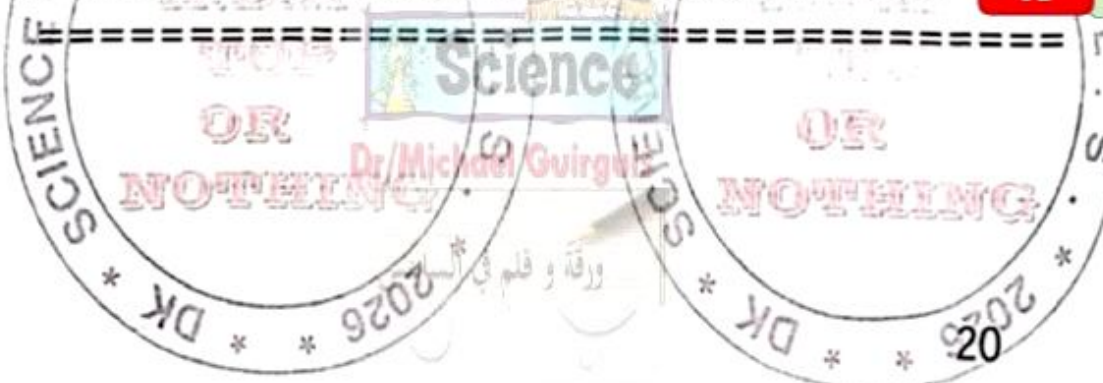
What happens if:

- 1- What happens if there is no gravity between Earth and the Moon?

The moon would not stay in its orbit; it would not be held by Earth's gravity and could fly off into space instead of revolving around Earth.

Read the following statements and then correct the wrong one:

- 1- Wetlands are examples of salt water. X Fresh water
- 2- All water resources on the earth's surface are drinkable. X Not all\ Some



Model Exam 11	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question : -

Correct the underlined words:

1- The closest star to Earth is Jupiter.

The sun

2- Constellations appear more in spring.

winter

Give Reasons for:

1- Sun looks much larger to us than other stars.

Because the sun is much nearer to Earth than other stars, so it seems larger although it is only a medium sized star.

2- The length and angle of shadows vary throughout the day.

Because as Earth rotates, the sun appears to move across the sky, so the position of the sun changes and this

3- The occurrence of moon phases. changes the shadow's length and angle during the day.

Because the moon reflects the light of the sun and moves around Earth, so we see different lit portions of the moon's face

Second Question : -

Correct the underlined words:

1- Population growth benefits sustainability.

Harms / affects

2- We make plastic products from cotton.

Oil products

3- Deforestation improves the natural habitat for living organisms.

Destroys / harms

Write what the following statement refers to:

1- One of the moon phases in which half of the moon facing Earth is completely dark. New moon

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Read the following statements and then correct the wrong one:

1- The cycle of day and night occurs once a year.

X

every 24

2- The planets of the solar system revolve around Sun at similar speeds.

X

different

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Third Question :-

Complete the following statements:

- 1- The moon reflects **The sun's** light falling on it. **X** on its axis
- 2- Stars emit their own light because they are made up of **Hot gases** causing them to glow.
- 3- In the planetarium you see pictures of **Stars**, **planets**, **moon** and ..

What is meant by:

- 1- The biosphere

The system that contains all living organisms on Earth, including humans.

- 2- Orbit

The path in which a planet travels or revolves around the sun, like a flattened circle or an ellipse.

Fourth Question :-

Complete the following statements:

- 1- Water consumption can be rationalized by **Turning off the faucet while brushing your teeth**
- 2- The area where water from different sources collects and move in one direction is **A watershed**
- 3- Human activities that lead to water running out , and and **1.overpopulation** **2.Overconsumption** **3.unequal distribution of resources**

What happens if:

- 1- The rainfall was more than the river could contain.

Flooding will occur in the watershed because the river cannot handle all the water, so water will overflow and flood the surrounding land.

Mention the interacting Earth systems in the following sentences:

- 1- Organisms exchange gases with air while breathing

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Biosphere and atmosphere

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Model Exam 12	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
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Answer each of the following questions

First Question : -

Correct the underlined words:

1- The state establishes gardens to protect endangered species.

Natural protectorates

2- Using a filter leads to water pollution.

cleaning water

3- The engineers are responsible for the operation of the planetarium.

Planetarium directors / astronomers

Write what the following statement refers to:

1- An area characterized by vegetation, soil, climate, and wildlife that distinguish it from other areas.

Biome

2- An attraction force that occurs between objects.

Gravity

Second Question : -

Give Reasons for:

1- Cycle of day and night

Because Earth rotates on its axis every 24 hours; the side facing the sun has day and the side away from the sun has night.

2- The moon appears to be bright in the sky.

Because the moon does not make its own light; it reflects the light of the sun falling on it.

3- Water is one of the most important natural resources on Earth's surface.

Because fresh water is needed for drinking, irrigation, agriculture, industry, power generation, and for plants and animals to survive and grow.

What is meant by:

1- The watersheds

An area of land where all the water that flows across it drains downhill to a common location in one direction, usually to a large body of water.

2- Earth axis

An imaginary line that runs through the center of Earth and passes through the North and South poles.

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Third Question : -

Complete the following statements:

1- When the moon is in the middle of the lunar month, it is called

Full moon phase .

2- The moon appears to be illuminated in the sky due to the reflection of the Sun's light on the moon.

Last day (end)

3- The moon phase facing Earth is completely dark in the of the lunar month.

Read the following statements and then correct the wrong one:

1- Ponds and swamps are underground water. X wetlands

2- Reducing shower bath time is one of the ways to waste water. X rationalize

What are the factors affecting the gravitational force between two objects ?

The mass of the objects and the distance between them.

Fourth Question : -

Complete the following statements:

1- Water consumption can be rationalized by turning off the water while washing your hair.

2- Excessive use of groundwater lead to dry up wells.

3- An area where water from different sources collects and moves in one direction is . A watershed

What happens if:

1- There is very little rainfall.

The water level in streams and rivers will drop and they may dry up and drought will occur.

Write what the following statement refers to:

1- The force that arises between two objects in contact and slows down the movement of the object. Friction

Model Exam 13	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question : -

Complete the following statements:

- 1- The gravitational force between two objects increases when the Mass increases.

Write what the following statement refers:

- 1- A group of stars that form a certain shape in the sky. **Constellation**
- 2- The force that is between two contact surfaces slows down the movement. **Friction**
- 3- Areas where the water level is slightly above ground level, land partially covered with water, such as swamps and ponds. **Wetlands**
- 4- large area of the world that has similar soil, climate , animals and plants(wildlife). **Biome**

Second Question : -

Complete the following statement using words between the brackets:

- 1- The moon appears in the middle of the lunar month in the form of **Full** (Crescent **Full** - new moon - Red)

Correct the underlined words:

- 1- Stars consist of rocks and minerals. **Hot gases / highly**
- 2- The estuary is the location of meeting a lake with an ocean. **River with the ocean or sea**
- 3- Constellations appear more in spring than summer. **Winter**
- 4- Ponds is a suitable habitat for water lilies plant as it is running fresh water. **Still fresh water**

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Third Question : - *

Choose the right answer:

b) Earth's gravity

1- The Moon revolves around Earth by the effect of

b) Earth's gravity

a) The gravity of Sun

b) Earth's gravity.

c) The gravity of the solar system.

d) The movement of planets

2- Sun is considered ..

c) Star

a) A galaxy.

b) Planet.

c) star.

d) A polar star.

Give reason for the following:

1- The cycle of day and night.

Because Earth rotates on its axis every 24 hours; the side facing the sun has day, and the side facing away has night.

2- Countries conserve and establish natural protectorate.

Because protected areas restrict

the use of resources so they cannot be drained, helping to preserve natural resources

3- Scientists used the word sphere to name Earth's ecosystems.

Because they classified Earth into systems that surround the planet, and Earth's shape is considered a sphere

Fourth Question : -

Choose from column (B) what is suitable from column (A):

(A)	(B)
1- Air resistance	a- Result from rotation of Earth around its axis.
2- Movement of shadows	b- Force effects in opposite direction of the body motion and decrease the speed of the it.
	c- It emits its own light.

Movement of shadows

Air resistance

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Answer the following questions:

1- What is the importance of building dams?

To control and conserve water, save it, and use it for purposes such as irrigation, drinking, and power generation

2- What are the results of overfishing?

Fish become more scarce and fishing opportunities decrease because the catch is greater than what is replaced by reproduction.

3- What makes the planets revolve in fixed orbits around Sun?

The sun's powerful gravitational force pulls the planets and keeps them moving in fixed orbits around it; without gravity they would fly off into space.

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Model Exam 14	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
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Answer each of the following questions

First Question : -

Correct the underlined words:

1- Stars near the poles are very fast . Visible all year / change little

2- The engineers are responsible for the operation of the planetarium . Planetarium directors / astronomers

3- Water from the high Dam in Egypt is used to generate thermal energy . Hvdro-Electrical energy

Write what the following statement refers to:

1- The sphere that contains rocks, minerals and soil. Geosphere / lithosphere

2- Giant celestial bodies made up of superhot gases. Stars

Second Question : -

Give Reasons for:

1- Moon phases change during the lunar month.

Because the moon reflects the sun's light while it revolve around Earth, so we see different lit portions of its face, which appear as different phases during the month.

2- The skydiver appears to be swimming in space.

Because they are pushed upward by air resistance against the gravity which seem to be floating in the space

3- Cycle night and day.

Because Earth rotates on its axis every 24 hours; the side facing the sun has day and the side facing away has night.

What is meant by:

1- The sustainability

Using a resource in a way that does not negatively affect its future availability; managing how it is used so it continues for the future.

Read the following statements and then correct the wrong one:

1- Lightest objects reach earth faster than heaviest objects in the absence of air. At same time

2- Earth rotates around its axis once every hour. 24 hour

Third Question :-

Complete the following statements:

Overpopulation is considered one of the factors affecting sustainability.

2- From the most important sources of salt water are Oceans and seas

3- We use water filter purify uncleaned water.

Read the following statements and then correct the wrong one:

1- Lake Naser and Lake Bardawel are examples of saltwater ecosystems in Egypt.

X

Lake Bardawel (saltwater), Lake Naser (freshwater)

2- Water is used to transport goods.

✓

Classify the following water sources according to their type:

1- Rivers - Oceans - Glaciers.

Rivers: fresh water
Oceans: salt water
Glaciers: fresh water

Fourth Question :-

Complete the following statements:

Death\Distinction

1- The miss use of fresh water may cause animals.

2- Behaviors that lead to water running out ... Overconsumpti

overpopulation and unequal distribution of resources

3- To conserve renewable resources, we must .. Use them carefully and sustainable way

What happens if:

1- The ground water is used more than is replaced by rainfall.

The water runs out and the wells dry up.

Write what the following statement refers to:

1- It in middle the month and half of the moon facing Earth is fully illuminated.

Full moon

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Model Exam 15	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 nd Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question : -

Correct the underlined words:

1- Using a filter leads to water pollution.

Water purification / cleaning water

2- Water is considered an important industrial resource on planet earth. (... Natural)

3- Stars near the poles are very fast.

Change little / almost fixed

What happens if:

1- More rain falls than the river can hold.

... Flooding will occur because the river or stream cannot handle the extra water.

Write what the following statement refers to:

1- The moon takes different shapes during the full lunar month.

Lunar phases / moon phases

Second Question : -

Write what the following statement refers to:

1- A body of water surrounded by land on all sides.

Lake

What is meant by:

1- The geosphere

The Earth system that contains rocks, minerals, landforms, soil, and even molten rock inside Earth.

2- Galaxy

A huge system in space made of many stars and other celestial bodies.

Read the following statements and then correct the wrong one:

1- An orbit is a spherical shape in which the planets revolve around the sun. **X** elliptical

2- The planets revolve around Sun in fixed orbits under the effect of Sun's gravity. **✓**

Classify the following water sources according to their type:

1- (Estuaries - Swamps - Groundwater).

Estuaries: salt and fresh (mixed)

Swamps: fresh water

Groundwater: fresh water

Third Question : -

Complete the following statements

Dry up/ water runs out of

1- Excessive use of groundwater lead to wells.

2- Water can be controlled and conserved by Building dams to save water

Give Reasons for:

1- The occurrence of moon phases.

Because the moon reflects sunlight while it orbits Earth, and we see different lit parts of its face from Earth, so its shape appears to change during the month.

2- Sun has more gravity than Earth.

Because the sun has much greater mass than Earth, so its gravitational force is stronger and it can hold all the planets in orbit.

3- Scientists used the word sphere to name Earth's ecosystems.

Because they classified Earth into systems that surround the planet, and Earth's shape is considered as a sphere

Fourth Question : -

Write what the following statement refers to:

1- The sphere that contains all living organisms.

Biosphere

2- An attractive force that occurs between bodies

Gravity

3- An imaginary line that passes through the North and the South Poles of Earth.

Axis

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Read the following statements and then correct the wrong one:

1- The oceans contain a large amount of fresh water.

X

salt

2- Coral reefs are examples of saltwater ecosystems.

✓

What force decreases the speed of a moving ball on the ground?

Friction

Model Exam  16 	Dakahlia Governorate	Science Primary Five	Time : 1½ Hours
	Educational Directorate	2 ND Term May 2026	توجيه عام العلوم لغات
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Answer each of the following questions

First Question :-

Correct the underlined words:

- 1- Rivers are considered a source of salt water. (.... **Fresh**)
- 2- The engineers are responsible for the operation of the planetarium . **Planetarium directors / astronomers**

Write what the following statement refers to:

- 1- A celestial body that controls the rotation of the planets around it due to its gravitational force. (**The sun**)

What is meant by:

- 1- The hydrosphere **Stars**

The Earth system that includes all water on Earth's surface and underground in its different forms.

Read the following statements and then correct the wrong one:

- 1- Air resistance does not reduce the speed of a moving object. **X** **reduces**
- 2- Gravity affects the revolving speed of the planets around the sun. **✓**

Second Question :-

Correct the underlined words:

- 1- Dams are used to filter polluted water for use. **control and conserve water**
- 2- Stars near the poles are very fast . **Almost fixed\change little**

What happens if:

- 1- Factory waste passes through a small stream.

The stream water becomes polluted, which harms living organisms and can threaten their survival.

Write what the following statement refers to:

- 1- The place where a river meets the sea or ocean. **Estuary**

What is the difference between Earth's rotation on its axis and its revolution Sun?

Earth's rotation is its spinning on its axis once every 24 hours causing day and night,

while its revolution is its motion around the sun in an orbit taking one year.

Third Question :-

Complete the following statements:

1- Water waste engineers in Egypt work in ..

Water treatment plants

2- The gravitational force between two objects depends on the two bodies.

The mass and the distance between

Give Reasons for:

1- Sun seems to be the greatest star to us than other stars. Because the sun is much

Nearer the earth than other stars, so it appears much larger even though it is only a medium-sized star.

2- The apple falls from the tree.

Because Earth's gravity pulls the apple downward toward the center of Earth.

Dr Michael Guirguis
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3- The Moon revolves in a fixed orbit around Earth.

Because Earth's gravity pulls the moon and keeps it in an orbit around Earth instead of flying off into space.

Fourth Question :-

Write what the following statement refers to:

1- The sphere that contains air and various gases.

Atmosphere

2- Using a resource in a way that does not negatively affect the future availability of that resource.

Sustainability

3- A force of attraction that occurs between objects.

Gravity

What is meant by:

1- Constellation

A group of stars that looks like a certain shape or pattern in the sky.

Read the following statements and then correct the wrong one:

1- Freshwater is approximately 2.5 % of the hydrosphere.

X

3.5%

2- Groundwater is found in the deep oceans.

X

cracks and spaces of underground rock

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

